रजिस्ट्री सं० डी०—(डीएन)—128/89 REGISTERED NO.D (DN)—128/89

भारत का राजपत्र
The Gazette of India

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No. 36] NEW DELHI, SATURDAY, SEPTEMBER 9, 1989 (BHADRA 18, 1911)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 9th September 1989

ADDRESS AND JURISDICTION OF OFFICE OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor, Parel (West),
Bombay-400 013.

Telegraphic address "PATOFFICE".

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

Telegraphic address "PATENTOFIC".

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the territories of Chandigarh and Delhi.

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

Telegraphic address "PATENTOFIS".

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Telegraphic address "PATENTS".

Rest of India.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Posted Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 9 सितम्बर, 1989

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013.

तार पता-"पेटोफिस"

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दामन तथा दिव एवं दादरा और नगर हवेली ।

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

तार पता—"पेटेंटोफिक" ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002.

तार पता—"पेटोफिस" ।

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकाय तथा एमिनिदिवि द्वीप ।

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय भवन,
5, 6 तथा 7 वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020.

तार पता—"पेटेंट्स" ।

भारत का अवशेष क्षेत्र ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जायगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part-III Sec. 2 Dated 24th June, 1989 under the heading "PATENTS SEALED" Read the number 160277 as 160227.

In the Gazette of India, Part-III, Sec-2, dated 30th April, 1988 under the heading "PATENTS SEALED" delete No. 157649.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234 4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 1st August 1989

619/Cal/89. Vincente Segui Pastor, Amando Galiana Sabatar and Enrique Segui Pastor. Novel Syringe.

620/Cal/89. Australian National University. Diamond compact possessing low electrical resistivity technical field.

Convention dated August 17, 1988 (Australia) (PI-9885) .

621/Cal/89. Harris Corporation. Adjustable equipment rack carrier.

622/Cal/89 Harris Corporation. Adaptive air brake control system.

623/Cal/89.The Inteleplex Corporation. Automatic balancing circuit for longitudinal transmission.

624/Cal/89. The Inteleplex Corporation. Transient signal elimination control.

The 2nd August 1989

625/Cal/89. Sunil Baran Kar. Fuel-less engine "gravkar" run by gravitational power.

626/Cal/89. J. M. Voith GmbH. Adjustment device for the runner blades of kaplan turbines.

627/Cal/89. Chiu-Shan Lee. Multipurposes safety receptacle.

628/Cal/89. Thermopac Ab. A method for manufacturing a thermally insulated container

The 3rd August 1989

629/Cal/89. General Electric Company. Laminated substrate for catalytic combustor reactor bed.

630/Cal/89. Wolfgang Priesemuth. Apparatus for reclaiming plastic.

631/Cal/89. Hollandse signaalapparaten B. v. Course-correction system for course-correctable objects.

632/Cal/89. Ethicon Inc. A method for preventing tissue damage after an ischemic episode.

The 4th August 1989

633/Cal/89. Sri Abhoy Pada Datta. A simple way to build up an Ic based seismic amplifier.

634/Cal/89. Chitta Ranjan Mukherjee. An invention for Water Moped and water cycle.

635/Cal/89. Franz Plaster Bahnumaschinen-Industriegesellschaft m.b.H. A traveling track tamping, lifting and lining machine.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-5

The 3rd July 1989

577/Del/89. "Acumeter Laboratories, Inc., "Method of coating a web with fluid material". [Divisional date 15th September 1986].

578/Del/89. Midtec, Inc., "Expandable manifold for water delivery system".

579/Del/89. Imperial Chemical Industries Plc., "Hydrogen". (Convention date 22nd July, 1988, U.K.).

580/Del/89. Balcke-Durr Aktiengesellschaft, "Process for welding thin-walled heat exchanger tubes to the rear of a tube plate".

The 4th July 1989

581/Del/89. Glaverbel and Fosbel Incorporated, "Ceramic repair". (Convention date 26th July, 1988, U.K.).

582/Del/89. Institut Strukturnoi Makrokinetiki Akadenii nauk Sssr. "Method for making a composite".

583/Del/89. Motorola, Inc., "Adaptive Scanning method".

584/Del/89. Nuchem Plastics Limited, "The preparation of a polymeric polyion".

585/Del/89. Bharat Heavy Electricals Limited, "Method of coating high alumina ceramic with titanium metal".

586/Del/89. Bharat Heavy Electricals Limited, "A continuous flow pnlumatic pump".

587/Del/89. UOP, "Metal resistant fee catalyst and fee process using same".

The 5th July 1989

588/Del/89. National Council for Cement and Building Materials, "A ball mill".

589/Del/89. Bharat Heavy Electricals Limited, "A tight shut off valve".

The 6th July 1989

590/Del/89. Council of Scientific and Industrial Research, "An improved process for the preparation of mono and dihalostituted derivatives of orthoamino-benzaldehyde from the corresponding hydrazides".

591/Del/89. Council of Scientific and Industrial Research, "An improved process for the preparation of iron oxide red from Iron (II) chloride solutions".

592/Del/89. Council of Scientific and Industrial Research, "An equipment to make stack gas free from sulphur dioxide (So_2)".

593/Del/89. Council of Scientific and Industrial Research, "Improved magnesium metal oxide air cells".

590/Del/89. Nautical Development, Inc., "Automatic variable pitch marine propeller".

595/Del/89. BP Chemicals Limited, "Crosslinkable silyl polymer composition". (Convention date 13th July, 1988, U.K.).

596/Del/89. BP Chemicals Limited, "Crosslinkable silyl Polymer composition". (Convention date 13th July, 1988, U.K.).

597/Del/89. International Mobile Machines Corporation, "A modem". [Divisional date 23rd October, 1986].

598/Del/89. International Mobile Machines Corporation, "A deglitching system". [Divisional date 23rd October, 1986].

599/Del/89. International Mobile Machines Corporation, "An interpolator for varying the sampling rate of a digital signal". [Divisional date 23rd October, 1986].

600/Del/89. International Mobile Machines Corporation, "A frequency synthesizer". [Divisional date 23rd October, 1986].

601/Del/89. International Mobile Machines Corporation, "A system". [Divisional date 23rd October, 1986].

602/Del/89. International Mobile Machines Corporation, "A symbol timing tracking and afc system". [Divisional date 23rd October, 1986].

603/Del/89. International Mobile Machines Corporation, "A digital time-Multiplexed quadrature frequency upconverter". [Divisional date 23rd October, 1986].

604/Del/89. International Mobile Machines Corporation, "A sample and hold amplifier and analog-to-digital converter system". [Divisional date 23rd October, 1986].

The 7th July 1989

605/Del/89. Societe Europeenne Des Produits Refractaires, "Refractory elements for the construction of heat regenerators".

606/Del/89. Courtaulds PLC., "Treating cellulosic sheet material". (Convention date 15th July, 1988, U.K.).

607/Del/89. Courtaulds Coatings Limited, "Coating compositions". (Convention date 18th July, 1988, U.K.).

608/Del/89. Fosroc International Limited, "Backfilling in mines". (Convention date 30th September, 1988, U.K.).

609/Del/89. The Procter & Gamble Company, "Process for making concentrated surfactant granules".

610/Del/89. The Procter & Gamble Company, "Detergent granules from cold dough using fine dispersion granulation".

The 10th July 1989

611/Del/89. Council of Scientific & Industrial Research, "A process for increasing the concentration of xylenes in aromatic fractions".

612/Del/89. Volzhskoe Obiedinenie Po Proizvodstvu Legkovykh Automobilei (AVTOVAZ). "Method of making blanking die sets" [Divisional date 18th September, 1986].

The 11th July 1989

613/Del/89. Satish Kumar Das, "Air cushioned shock absorbers".

614/Del/89. Satish Kumar Das, "Air cushioned shock absorbers".

615/Del/89. Suraj Narain Daga & Arvind Kumar Shah, "A programmable time lock".

616/Del/89. Jotinder Singh. "A system for operating swing gates at railway level crossings".

617/Del/89. Jotinder Singh, " Barriers for roads at railway level crossings, road and gates".

618/Del/89. S S P L Safe Sex Products Licensing, "Process for obtaining a pharmaceutical composition for the prevention of sexually transmitted diseases".

619/Del/89. . Wilkinson Sword Gesellschaft Mit Beschrankter Haftung, "Dispenser system for razor blade units".

620/Del/89. Howa Machinery, Ltd., "Top-comb drive mechanism for combing machine".

621/Del/89. K. D. T. Systems Pty. Ltd., "Moisture detection probe". (Convention date 11th July, 1988) (Australia). .

The 12th July 1989

622/Del/89. General Foods Corporation, "Coffee glass & process for producing same". .

623/Del/89. Bayer Aktiengesellschaft, "Dihydroxydiphenyl cycloaklkanes, their production and their use far the production of high molecular weight polycarbonates".

624/Del/89. Tenneco Canada Inc., "Production of chloric acid". (Convention date 20th October, 1988) (Canada).

625/Del/89. Metal Casting Technology, Inc., "Countergravity casting method and apparatus".

The 13th July 1989

626/Del/89. International Business Machines Corporation, "Electronic apparatus with movable keyboard". (Convention date 26th May, 1989) (U.K.).

627/Del/89. International Business Machines Corporation, System component enclosure structures". (Convention date 23rd November, 1988) (U.K.).

628/Del/89. International Business Machines Corporation, "Digital signal processing circuits". (Convention date 23rd November, 1988) (U.K.).

629/Del/89. International Business Machines Corporation, "High speed low power, current controlled logic spstems". (Convention date 23rd November, 1988) (U.K.).

630/Del/89. International Business Machines Corporation, "Three stage self-docking structures and method". (Convention date 23rd November, 1988) (U.K.).

The 17th July 1989

631/Del/89. Rishi Raj Singh Saini, "Process for manufacture of anti rabies oral dose".

632/Del/89. Reface International Ltd., "Method and apparatus for conveying materials".

The 18th July 1989

633/Del/89. Ashesh Chandra Mishra, "The scientific mystry of everlasting youth for living being".

634/Del/89. Pfizer Inc., "Triazole antifungal agents". (Convention date 13th August, 1988) (U.K.).

635/Del/89. Akerlund & Rausing Licens Aktiebolag, "Method and apparatus for applying glue for sealingly mounting of lids in packages and container tubes".

636/Del/89. Russell D.IDE, "Piston ring".

The 19th July 1989

637/Del/89. Werkzeugmaschinenfabrik Oerlikon-buhrle AG, "Apparatus for and method of producing a gear wheel".

638/Del/89. Videocolor, "Method for fabrication of a high definition color tervision tube and high-definition trichromatic television tube".

639/Del/89. Esco Corporation, "Excavating tooth".

640/Del/89. De Beers Industrial Diamond Division (Proprietary) Ltd., "Abrading ultra-hard stones".

641/Del/89. Rohm and Haas Co., "Combating insect infestation in rice". (Convention date 1st May, 1989) (Newzeeland).

The 20th July 1989

642 Del/89. Imperial Chemical Industries PLC., "A method for the amplification of nucleotide sequences". (Convention date 28th July, 1988) (U.K.).

The 21st July 1989

643/Del/89. Norsk Hydro A. S., "Ductile alloy".

644/Del/89. The Goodyear Tire & Rubber Co., "Vulcanizate activator system for rubber compositions".

645/Del/89. Fruitsource Associates, "Fruit concentrate sweetener and process of manufacture".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, IIIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13.

The 4th July 1989

181/Bom/8199. Vipin Champsey Shah. An improved multifilament lamp with a fibre-glass or plastic button on the top of the cap of the lamp.

182/Bom/1989. Ramesh Chandra Ranchhodas Mahadevia. Alluminium Flang Type Semi Auto Rear Wheel Cycle's Hubs Dia Meter 98mm Outside length 58 mm and Inside length 52 mm.

183/Bom/1989. Ramesh Chandra Ranchhodas Mahadevia. Alluminium Flang Type Semi Auto Front Wheel Cycle's Hubs Dia Meter 98 mm outside length 58 mm and inside length 52 mm.

The 5th July 1989

184/Bom/1989. Hindustan Lever Ltd. Detergent Compositions. 6th July 1988, Gr. Britain.

185/Bom/1989 Hindustan Lever Ltd. Detergent Bar. 7th July 1988, Gr. Britain.

The 6th July 1989

186/Bom/1989. Machelonic Welders Pvt. Ltd. An improved Microprocessor control for resistance welding.

The 10th July 1989

187/Bom/89. Shrinivas P Acharya & Ravindra B. Palkar. Synthesis of Nordiazepam.

188/Bom/89. Kirloskar Brothers Ltd. Improved plant & process thereof for generating source of energy from biomass.

The 11th July 1989

189/Bom/89. Diwakar Mahadev Joshi. Twin master cylinder for automobile brakes.

190/Bom/89. Balwant Govindrao Yatnalkar. Less energy quick Bicycle.

The 12th July 1989

191/Bom/89. Anil Charegaonkar. Means for storage of sweet water in open sea or along coastal sea.

192/Bom/89. Surendra Himmatial Shah. Improved flexible cooling system known as 'HYDROFLEX' system using 'chilled water fan-cool unit' cooling method & flexible ducting, system therefor known as 'HYDROCABLE' ducting system.

The 13th July 1989

193/Bom/89. Uriel Aptekar & Samson Shapurkar.. Quick assembly system with all purpose easy assembly modular units.

194/Bom/89. Uriel Aptekar & Samson Shapurkar. Iomizer for sterilising wated.

195/Bom/89. Uriel Aptekar & Samson Shapurkar. An alarm (syren) system for detecting an unauthorized entrusion..

196/Bom/89. Uriel Aptekar & Samson Shapurkar. Solar system for 'Solar water heaters'.

197/Bom/89. Uriel Aptekar & Samson Shapurkar. Adjustable wall organizing system for storage.

198/Bom/89. Uriel Aptekar & Samson Shapurkar. Door stopper holder.

199/Bom/89. Uriel Aptekar & Samson Shapurkar. Security latch.

200/Bom/89. Uriel Aptekar & Samson Shapurkar. Screw plug expander.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 17th July 1989

536/Mas/89.HMT Limited. Creep speed control of 3 phase induction motor.

537/Mas/89. MAN Gutehoffnungshuttw. Process for the Gasification of coal and subsequent treatment of the product gas.

The 18th July 1989

538/Mas/89K. B. Balakrishnan. Cotea (a substitute for coffee, tea and sugar).

539/Mas/89. Altrack Limited. Wheel or endless track (July 19, 1988; Australia).

540/Mas/89. ROURE SA. Process for the manufacture of a terpenoid.

541/Mas/89. Maschinenfabrik Rieter AG. A method of blending textile fibres.

542/Mas/89. Topur Sambasivan Nagarajan. Instant rasam.

The 19th July, 1989

543/Mas/89. Xomox International GmbH & Co. Shutoff regulating valve.

544/Mas/89. Philip Morris Products Inc. Smkoing article.

545/Mas/89. Philip Morris Products Inc. Carbon heat source. .

546/Mas/89. Philip Morris Products Inc. Thermally releasable flavor source for smoking articles.

547/Mas/89. Philip Morris Products Inc. Smoking article.

The 20th July 1989

548/Mas/89. Indian Space Research Organisation. Satellite based wide area information feed and transfer (SWIFT) System.

549/Mas/89. Indian Space Research Organisation. Satellite wide radio system.

550/Mas/89. Daniel Henry Dudek. Means and method for sterillising spices and like substances.

The 26th July 1989

551/Mas/89. Henkel Kommanditgesellschaft auf Aktien. A polyurethane-based universa household adhesive.

552/Mas/89. The Dow Chemical Company, Polyols comprising an alkoxylated mannich condensate and process for preparing the same.

553/Mas/89. The Dow Chemical Company. Melamine-Alkanolamine condensates, polyols and polyurethanse prepared therefrom and process for preparing the same.

The 27th July 1989

554/Mas/89. The Massachusette Institute of Technology. Apparatus and method for the electrolytic production of metals.

555/Mas/89. Separation Lynamics Inc. Composite semipermeable membranes and method of making same.

The 28th July 1989

556/Mas/89. Ciba-Geigy AG. A method of preserving ophthalmic solutions and composition therefor.

557/Mas/89. Daihen Corporation. Method of manufacturing wound transformer core. .

558/Mas/89. FMIT, Inc. Transformer having symmetrical push-pull winding. (July 18, 1989; United Kingdom). .

559/Mas/89. Newly Weds Foods Inc. Means and method for sterilizing spices and like substances.

ALTERATION

165250

(987/Cal/87) Anti-dated to February 07, 1986.

165253

(87/Del/86) Anti-dated to May 27, 1982.

165258

(234/Del/86) Anti-dated to September 27, 1983.

165296

(379/Del/86) Anti-dated to August 30, 1983.

165300

(905/Del/88) Anti-dated to June 05, 1986.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by M/s. Hindustan Lever Limited to grant of a Patent on application No. 164320 (109/Del/85) dated 19th December, 1985 made by Albright & Wilson Limited.

(2)

An opposition has been entered by M/s. Orissa Cement Limited to grant of a Patent on application No. 164311 (246/Del/85) dated 23rd March, 1985 made by Council of Scientific & Industrial Research.

PATENTS SEALED

149055	158450	160084	161887	162132	162133	162929
163284	163388	163465	163558	163713	163743	163746
163747	163756	163759	163797	163710	163824	163827
163830	163832	163847	163888	163889	163913	163937
163958	163964	163970	163978	164000	164005	164011
164012	164013	164017	164018	164020	164043	164047
164164	164165	164166	164169	164178	164181	164185
164265	164279.					

CAL — 28.
DEL — 14.
MAS — 8.
BOM — 1.

NOTIFICATION

AMENDMENTS PROCEEDINGS UNDER SECTION 57.

Notice is hereby given that Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1 has made an application on form 29 under section 57 of the Patets Act, 1970 for amendment of specification of their application, for Patent No. 160579(251/D/85) for a process for preparing base polymer for ion exchange membranes. The amendments are by way of correction & explanation. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005 or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

Proposed amendments under Section 57 of the Patents Act, 1970, in respect of Patent No. 161658 (611/Mas/84) as advertised in the Gazette of India, dated 14-5-1988, have been allowed.

Notice is hereby given that Westinghouse Electric Corporation of Westinghouse Building, Gateway Centre, Pittsburgh, Pennsylvania, 15222, United States of America, have made an application under Section 75 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 163377 for Circuit-interrupters.

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, Nizam Palace, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcuttta.

If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(2)

Notice is hereby given that Energy Conversion Services, Inc, a Corporation organised under the laws of Delaware, U.S.A. of 1675 West Maple Road, Troy, Michigan 48084, United States of America.

United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 164471 for "a hydrogen storage electrode for an Alkaline hydrogen storage electrochemical cell comprising said electrode".

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, Nizam Palace, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcuttta.

If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(3)

Notice is hereby given that Atul Products Limited, an Idian Company, having its registered Office at Asoka Chambers, Rasala Marg, Mithkali Cross Roads, Ellisbridge, Ahmedabad-380006, Gujarat, India has made application under Section 57 of the Patents Act, 1970 for amendment of the application for patent/complete specification for Patent No. 163246 (216/Bom/1985) for "a water soluble direct black polyazo dyestuffs mixture".

The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Todi Estate, 3rd Floor, Sun Mill Compound, Lower Parel (West), Bombay-400013 on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file the notice of opposition on the prescribed Form 30 alongwith full written statement within three months from the date of this notification at the Patent Office, Branch, Bombay.

If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice of opposition.

(4)

Notice is hereby given that Atul Products Limited an Indian Company, having its registered office at Ashoka Chambers Rasala Marg. Mithkhali Cross Roads, Ellis bridge, Ahmedabad-380006, Gujarat, India has made application under Section 57 of the Patents Act, 1970 for amendment of the application for Patent/complete specification for Patent No. 163247 (217/Bom/1985) for "A process for the preparation of a water soluble direct green polyazo dyestuffs mixture in situ".

That application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Todi Estate, 3rd Floor, Sunmill Compound, Lower Parel (West), Bombay-400013 on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 alongwith full written statement within three months from the date of this notification at the Patent Office Branch, Bombay.

If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice of opposition.

RENEWAL FEES PAID

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COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of oppositon should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

* Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियों, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि हों; के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार (उक्त कार्यालय में पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Int. CLASS : B 66 B 1/00, 15/00, 19/00 165243

SKIP HOISTING SYSTEM.

Applicant: ZABRZANSKIE GWARECTWO WEGLOWE. KOPALNIA WEGLA KAMIENNEGO "ZABRZE-BIELSZOWICE", UL. LOMPY 11. 41-806 ZABRZE, POLAND.

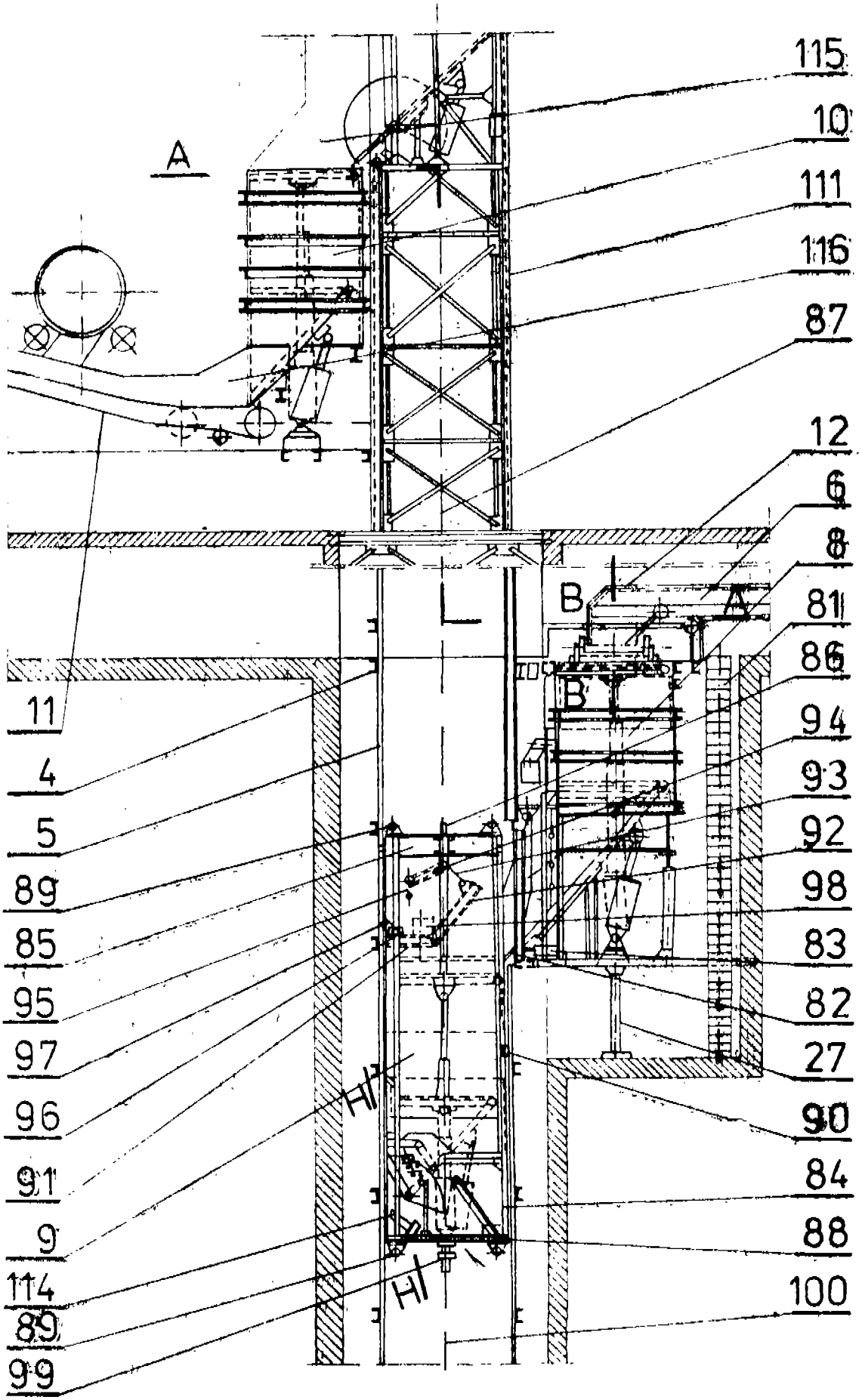
Inventors (1) JONDRO BOLESLAW, (2) JANIK JAN, (3) KUSZ FRANCISZEK.

Application No. 222/Cal/1987 dated 20th March, 1987.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

25 Claims

A skip hoisting system comprising a supply conveyor with its dump situated over loading bins at the pit bottom, which are provided with a distributing table, two skips suspended on ropes in the hoist shaft, unloading bins at the pit bottom and a haulage conveyor, characterized in that it has six preferably identically designed and operating bines [8, 9, 10], whereof two loading bins [8] are mounted in a chamber at the pit bottom, two skip bins [9] are built-in in the supporting structure [84] of skips [1], and two unloading bins [10] are mounted at the shaft top, whereby particular bins [8, 9 & 10] consist of an upper stationary segment [23] in which a lower movable segment [25] provided with a rotary movable bottom [34] is slidably mounted.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Int. CLASS : D 01 D 1/00, 5/00, 7/00 165244

CONTINUOUS FILAMENT POLYESTER YARNS.

Applicant : E.I. DU PONT DE NEMOURS & CO., WILMINGTON, DELAWARE, U.S.A.

Inventor : GEORGE VASSILATOK.

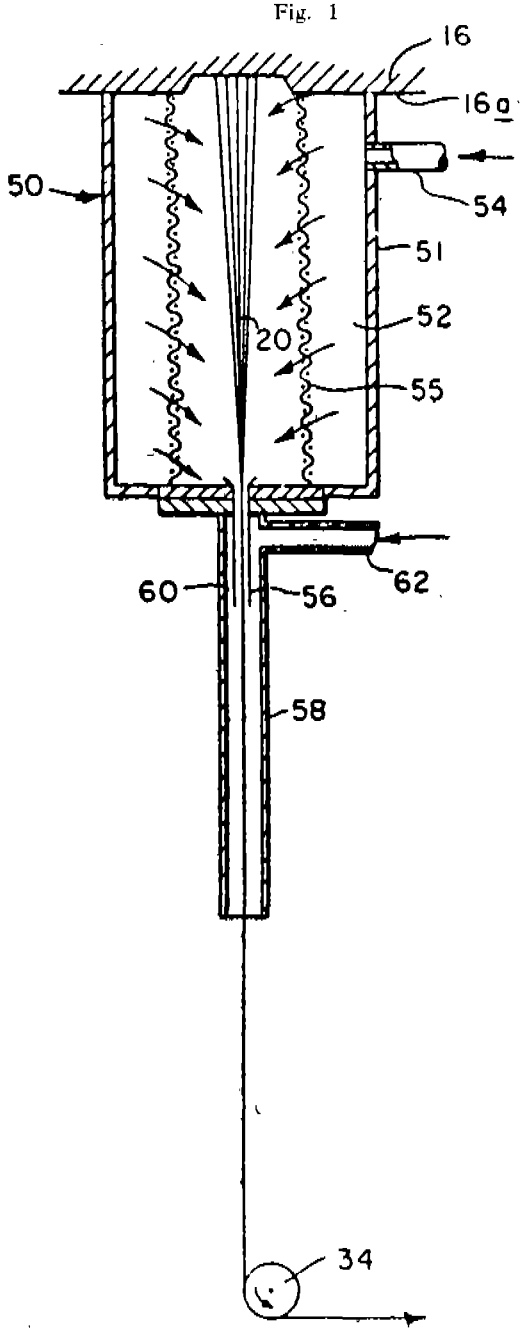
Application No. 302/Cal/1987 dated 20th April, 1987.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

2 Claims

A continuous filament polyester yarn melt spun in a path from a spinning pack at a spinning speed of at least 5 km/min controlled by a withdrawal means by directing a gas into a zone enclosing said path, said zone extending from said spinning pack to a location between the spinning pack and the withdrawal means maintaining said zone under superatmospheric pressure of less than 1 kg/cm^2 and increasing the velocity of the gas as it leaves the zone to a level greater than the velocity of the filaments, said yarn having a density in the range of from about 1.348 to about 1.370 grams per ml, having an elongation break in the range of from 30% to 120% and having a boil-off-shrinkage which is at least 10%.

Fig. 1



Compl. specn. 12 pages Drg. 2 sheets

Int. CLASS : C 07 D 227/00 A 61 K 31/395, 31/48 165245

PROCESS FOR THE PREPARATION OF THE NOVEL 2 HALO-GENATED 8 AND 1, 8 SUBSTITUTED ERGOLENE DERIVATIVES.

Applicant : RICHTER GEDEON VEGYESZETI GYAT RT., BUDAPEST X., GYOMROI UT 19-21, HUNGARY.

Inventors : 1. TIBOR KEVE, 2. GABOR MEGYERI, 3 BELA STEFKO, 4. LAJOS KOVACS JUN., 5. ANNA KASSAI NEE ZIGER, 6. BELA KISS, 7. ISTVAN LASZLOVSZKY, 8. ERZSEBET LAPIS, 9. EVA PALOSI, 10. Dora Groo, 11 Laszlo Szporny.

Application No. 326/Cal/87 dated 24th April, 1987.

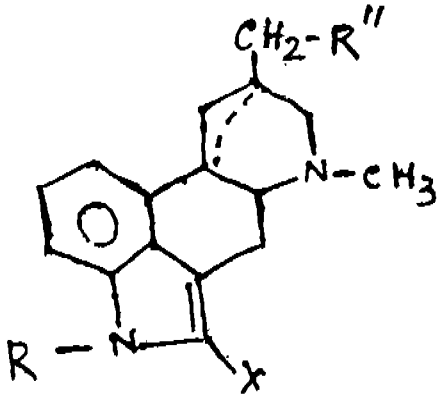
Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

3 Claims

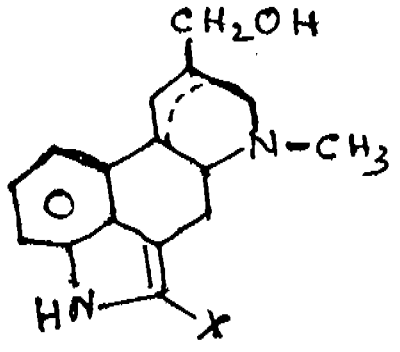
A process for the preparation of the novel 2-halogenated 8- and 1, 8-substituted ergolene derivatives of the formula [I] of the accompanying drawings or its acid addition salts wherein.

X stands for a halogen;

R stands for an acyl or substituted acyl group and R" represents an –OR' group, wherein



(I)



(II)

R' stands for an acyl or substituted acyl group; and the dotted line means a double bond between the 8-9 or 9-10 positions, the process comprising :

diacylating a 2-halogenated ergolene derivative of the formula [II], wherein X stands for a halogen, with an acid anhydride, acyl halide or ketene, preferably acyl halide, at a temperature between room temperature and the boilding point of the solvent used,

to obtain compound of the formula [I] containing an acyl or substituted acyl group as R and an -OR' group as R", wherein R' stands for an acyl or substituted acyl group; and, if desired, converting the compounds of the formula [I], to their acid addition salts.

Compl. specn. 35 pages Drg. 1 sheet

Int. CLASS : B 25 H 7/04 165246

A MACHINE FOR STAMPING IDENTIFICATION MARKS ON BILLETS, BLOOMS AND SLABS.

Applicant and Inventor : DINESH CHANDRA SINGHAL, THE TATA IRON AND STEEL COMPANY LIMITED, JAMSHEDPUR, BIHAR, INDIA.

Application No. 539/Cal/1987 dated 13th July, 1987.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

4 Claims

A machine for stamping identification marks on billets, blooms or slabs comprising an exchangeable compact cassette which carries a set of stamps for marking the relevant numbers on billets, blooms or slabs, each of the set of stamps being provided with a separate power cylinder for independent operation, cam power cylinder being carried on frame of marking unit to enable compact and uniform marking of billets, blooms or slabs, even on theeir rough and non-flat surfaces.

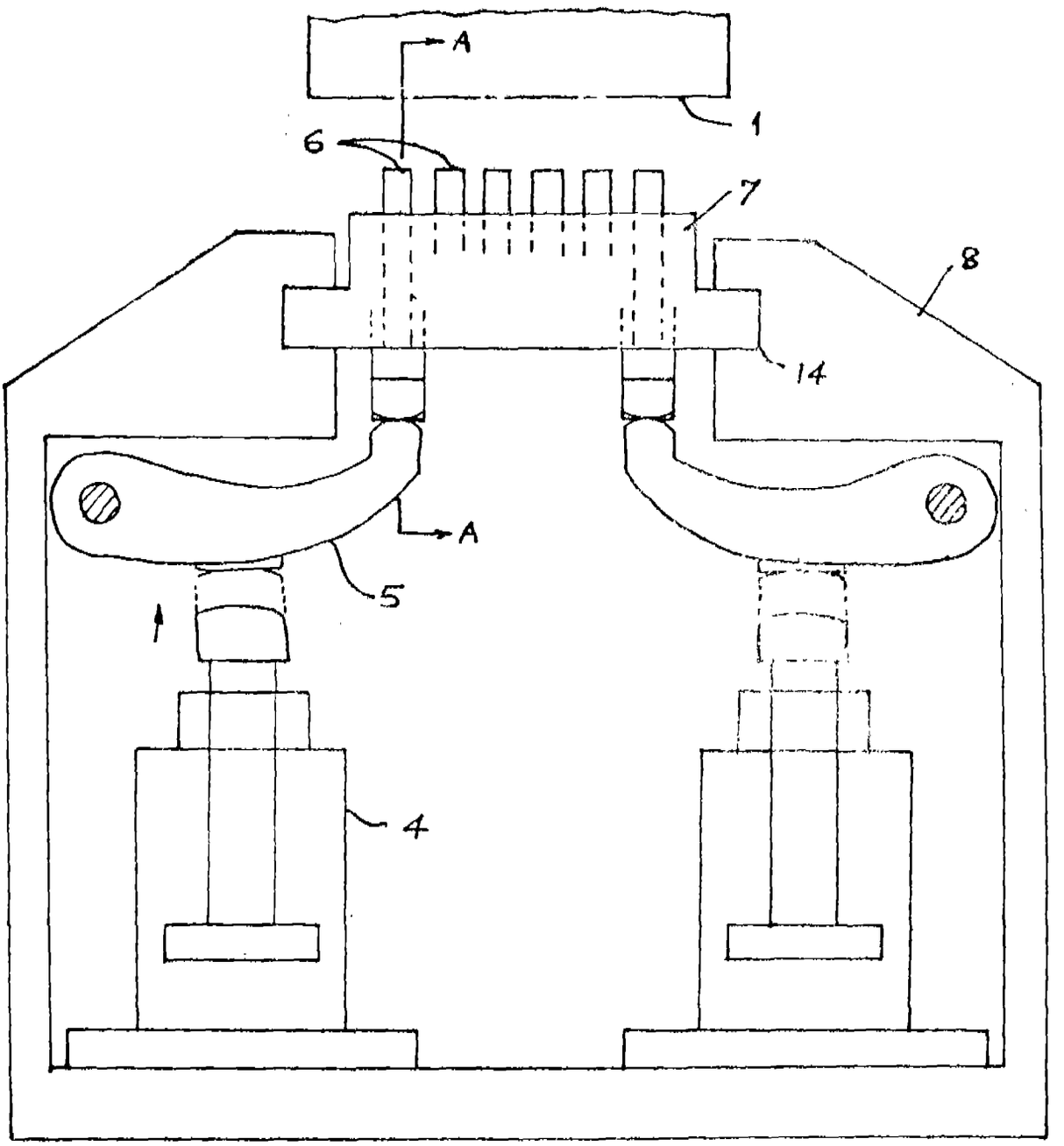


Fig. 4

Complete specn. 10 pages Drg. 5 sheets

CLASS 1 165247

Int. CLASS : F 03 B 17/00

APPARATUS FOR DETERMINING RADIAL ALIGNMENT OF TURBINE BLADES.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, U.S.A.

Inventors : MARSHALL JOE ROUSE AND ALBERT JOSEPH PARTINGTON.

Application No. 564/Cal/1987 dated 22nd July, 1987.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

2 Claims

Apparatus (27) for determining radial alignment of turbine blades (1) on a turbine rotor by in situ measurement of blade alignment with respect to the surface of the rotor (3), each of the blades including a root structure (5) for supporting the blade (1) in a matching groove in the rotor (3), a platform (6) attached to the root structure (5) and an airfoil (9) extending radially outward from the platform (6) and terminating in an integral shroud portion (15) characterized by

an elongated base member (29) having substantially parallel upper and lower surfaces (30, 32);

first and second elevated contact points (33, 35) formed in spaced apart relationship on the lower surface (32) of said base member (29), said points (33, 35) being adapted to support said base member (29) adjacent the rotor (3) and in a plane substantially parallel to a tangent line to the rotor surface.

a standard (31) having one end fixedly conected to said base member (29) said standard (31) extending radially outward with respect to the rotor (3);

a third contact point (39) extending from said standard (31) and positioning for contacting the blade platform (6) when the apparatus (27) is in a measuring position;

a dial indicator (43) having a reciprocating plunger (45) operatively connected thereto, the extension of said plunger (45) with respect to said indicator (43) providing a reading on said dial indicator representative thereof;

means (41) for attaching said dial indicator (43) to said standard (31) such that said plunger (45) contacts the shroud portion (15) when the apparatus (27) is in the measuring position; and

means (51) for calibrating the dial indicator (43) such that deviation of radial alignment of the blade (1) with respect to a rotor radial line through the center (21) of the blade root (5) is provided by said indicator (43).

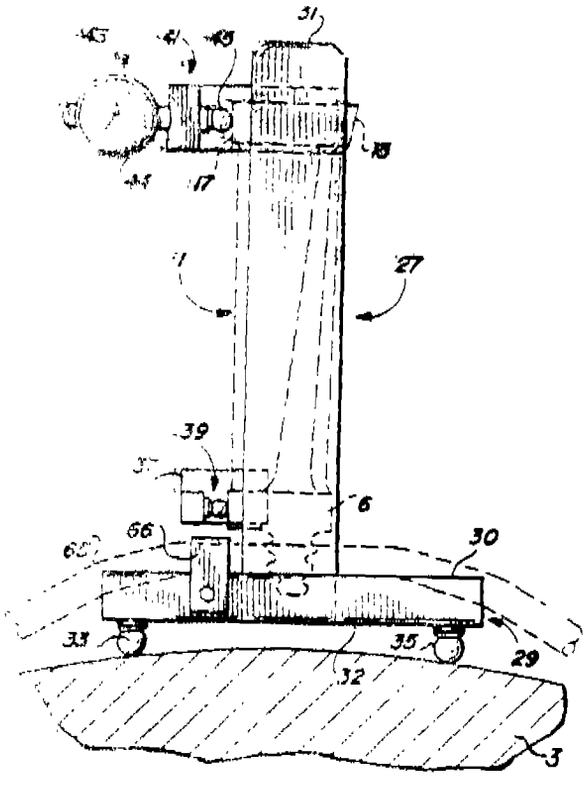


Fig. 5

Compl. speen. 11 pages Drg. 2 sheets

CLASS 1 165248

Int. CLASS : B 03 C 3/88

PROCESS OF REMOVING DUST FROM COLLECTING ELECTRODES.

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCAHFT, REUTERWEG 14, D-6000, FRANKFURT AM MAIN, WEST GERMANY.

Inventors : HERMANN SCHMIDT AND RAINER SKROCH.

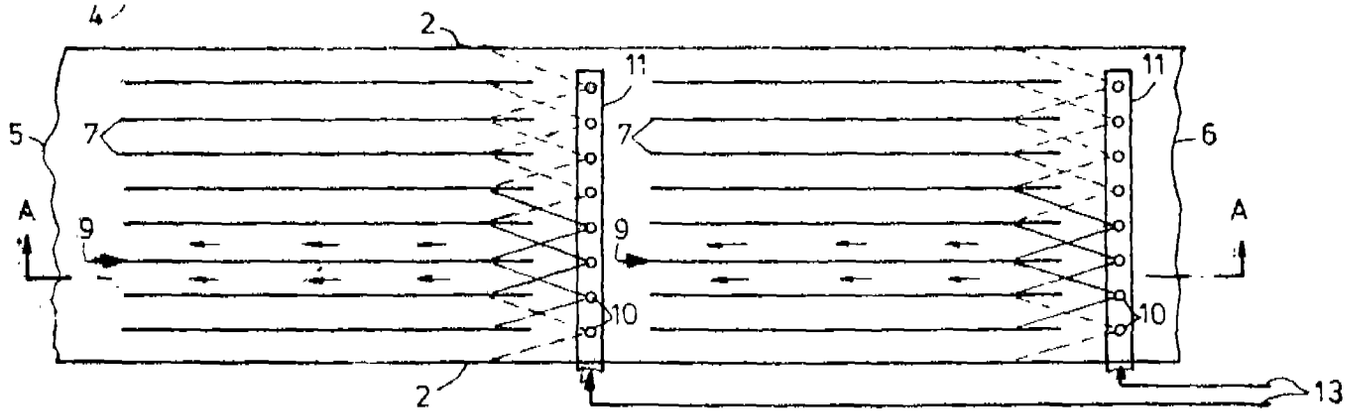
Application No. 743/Cal/1987 dated 18th September, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A process of removing dust from platelike collecting electrodes which define gas passages in a dust-collecting electrostatic precipitator for a horizontal flow of gas in at least two fields, which are arranged one behind the other in the direction of flow of the gas, wherein individual collecting electrode walls are mechanically agitated in cyclic repetition while the gas flow in the two gas passages disposed on opposite sides of the collecting electrode wall that is being agitated is shut off by an entraining gas stream flowing in a direction that is opposite to the normal direction of gas flow, characterized in that those aligned individual collecting electrode walls which are arranged one behind the other in the direction of flow of the gas are cleaned in all fields at the same time, the associated gas

passages disposed on opposite sides are shut off in all fields and the stream of entraining gas is caused to produce in said gas passages a gas flow which is opposite to the normal direction of gas flow.



Compl. specn. 10 pages Drg. 1 sheet Fig. 2

Int. CLASS : C 08 L 1/00 to 5/00 & 89/00. 165249

A METHOD FOR STABILIZING AN AQUEOUS MEDICINAL COMPOSITION CONTAINING A POLYPEPTIDE GROWTH FACTOR.

Applicant : ETHICON, INC., ROURE 22, SOMERVILLE NEW JERSEY 08876, U.S.A.

Inventor : AMY L. FINKENAUR.

Application No. 859/Cal/1987 dated 2nd November, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A method for stabilizing an aqueous medicinal composition containing a polypeptide growth factor having mitogenic activity as an active ingredient, which method comprises incorporating in said composition an amount of a water-soluble polysaccharide in the range of 0.05 weight per cent to 90 weight per cent of the composition sufficient to stabilize said growth factor against loss of biological activity in the presence of water, optionally converting the composition into a gel, cream, lotion, suspension, dispersion or incorporating same into milk, preferably human mother's breast milk with or without additional nutrients.

Compl. specn. 27 pages Drg. Nil

CLASS : 129-G, D 165250

Int. CLASS : B 23 k 1/00; B 23 p 3/00

A FUELING MODULE FOR SUPPLYING NATURAL GAS TO A NATURAL GAS FUELED TORCH APPARATUS.

Applicant : MICHIGAN CONSOLIDATED GAS COMPANY, OF ONE WOODWARD AVENUE, DETROIT, MICHIGAN 48226, U.S.A.

Inventors : (1) KENNETH STEVE CZERWINSKI, (2) EUGENE GABANY, (3) JOHN WALTER TURKO, (4) SHANTI SROOP SHARMA.

Application No. 987/Cal/1987 filed December 18, 1987.

Divisional of Application No. 88/Cal/1986 Anti-dated to February 7, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A fueling module for suplying natural gas to a natural gas fueled torch apparatus including a torch adapted for use in cutting or welding operations, the torch apparatus including a source of oxygen for supplying oxygen to the torch, and the torch being selectively operable for combustion of a mixture of natural gas and oxygen, said fueling module being connectable to an electric power source and being adapted for supplying natural gas to said tourch apparatus at an elevated pressure from a relatively low pressure natural gas supply system, said fueling module comprising :

fueling module inlet means connectable in fluid communication with said natural gas supply system;

compression mesans in fluid communication said fueling module inlet means and selectively energizable for compressing said natural gas from said natural gas supply system in order to increase its pressure, said compression means having a compression intake in fluid communication with said fueling module inlet means and a compression discharge outlet for discharging compressed natural gas from said compression means;

lubricant filter means in fluid communication with said compression discharge outlet for substantially trapping and collecting compression means lubricants from said compressed natural gas from said compression discharge outlet and for returning said collected compression means lubricants to said compression intake;

cooling means in fluid communication with said compression discharge outlet means for reducing the temperature of said compressed natural gas therefrom;

first fueling module discharge means selectively and releasably connectable to the torch apparatus for selectively supplying said compressed natural gas from said compression means to said torch apparatus, said first fueling module discharge means including adjustable regulator means in fluid communication with said compression discharge outlet and operable for preselectively adjusting the pressure of said compressed natural

gas from said compression means in order to supply said compressed natural gas to said torch apparatus at a preselectively adjusted fueling module discharge pressure;

second fueling module discharge means in fluid communication with said compression discharge outlet for selectively bypassing said adjustable regulator means and for discharging said compressed natural gas from said fueling module;

valving means for selectively discharging said compressed natural gas from said compression means, through one of said first and second fueling module discharge means, said valving means including at least one electric solenoid-operated valve in each of said first and second fueling module discharge means, and a selector, switch selectively energizabed and operable for operating said solenoid valve to substantially simultaneously open eithter one of said solenoid-operated valves while closing the other of said solenoid operated valves in order to selectively discharge said compressed natural gas through the corresponding one of said first and second fueling module discharge means;

preselectively adjustable cut-off means for automatically de-energizing said compression means when the natural gas from said compression discharge outlet reaches a preselected maximum compression discharge pressure; and

preselectively adjustable relief valve means for returning a portion of said natural gas from said first fueling module discharge means to said compression intake wheen the pressure of said natural gas in said first fueling module discharge means reaches a preselected relief pressure level, said preselectively adjusted fueling module discharge pressure being substantially limited to a pressure level no greater than said preselected relief pressure and no greater than said preselected maximum compression discharge pressure.

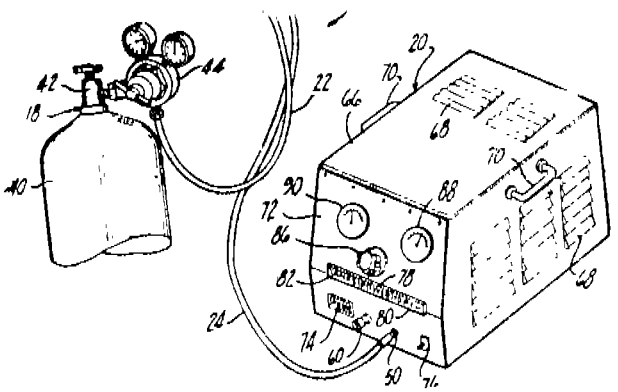


Fig. 1

Compl. specn. 25 pages. Drgs. 3 sheets

Int. Cl.[4] : B 02 B 1/00 165251

GRINDING MILL.

Applicant : COMMINUTION TECHNICS (COMMINUTEC) LIMITED, A BRITISH COMPANY, OF 6TH FLOOR, 9 KINGSWAY, LONDON WC2 6FA, GREAT BRITAIN.

Inventor : VINCENT ORTEGA DE LA ORDEN.

Application for Patent No. 55/Del/86 filed on 20th January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

Grinding mill, in particular an autogeneous, semi-autogeneous or ball grinding mill, said mill, including an essentially cylindrical tube casing (1), equipped with an inlet (2) and an outlet (3) and a device for regulating the retentioin time of the material in the mill, said device including a reservoir chamber (11) delimited by an upstream face provided with a number of apertures which allow sufficiently ground material to pass and retain insufficiently ground material and the grinding media (23) if any, and by a downstream face, solid except for a discharge aperture (75), the aforementioned reservoir chamber (11) being provided with lifting means (16), to raise upwards the material entered in the reservoir chamber (11) when the said lifting means (16) pass under the grinding mill centre line due to the mill rotation, and to discharge the entrained material through the central part of the reservoir chamber (11) when the lifting means pass above the mill centre line; characterised in that it includes a discharge scop (42), which enters the reservoir chamber (11) through the outlet (3), which is approximately coaxial with an separate from the grinding mill, the clearance between the discharge scop (42) and the rotating part of the grinding mill being at every point greater than the largest particles which can enter the reservoir chamber (11), the discharge scop (42) being cylindrical and provided, in the upper part of its upstream extremity, with a first opening (43), of approximately the same length as the reservoir chamber (11), and at a distance from this first opening, esesntially outside the reservoir chamber (11), with a second opening (45) facing downwards, and being movable longitudinally to operate from a position close to the upstream face of the reservoir chamber (11) to a number of positions where the discharge scop (42) is partially or totally withdrawn from the said reservoir chamber, whereby the discharge scop (42) adjustable positioning cooperates with the lifting means (16) to recirculate within the reservoir chamber (11) a controllable part of the material discharged from the lifting means (16).

Compl. specn. 21 pages. Drgs. 3 sheets

Int. Cl.[4] : G 05 F 1/00, 1/10 165252

CONTROL CIRCUUIT FOR CONTROLLING THE CURRENT OF A WELDING TRANSFORMER.

Applicant : ACCUMULATORENFABRIK SONNENSCHEIN GmbH, A GERMAN COMPANY, OF THIERGARTEN, D-6470 BUDINGEN, HESSEN 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : JORG LADEBURG, ROBERT BECKER, BERNHARD DREYMANN, THOMAS GENSLER, ROBERT ULRICH, PAUL WAHRENBRUCH AND REINHARD BLASER.

Application for Patent No. 83/Del/86 filed on 29th January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A control circuit for controlling the current of a welding transformer, particularly that of a welding transformer integrated in an industrial remot having two welding tongs (4, 5) the first of which is clamped to a first one (11) of the workpieces (11, 12) to be joined by welding and the second (5) of which makes contact with the second workpiece (12) for initiating the welding operation, said circuit having means for automatically detecting contact between the second welding tong (5) and the second workpiece (12), and a power supply (15) for the welding transformer (14, 6); characterised by :

(a) a high-frequency generator (500 kHz) (1), connected to a high-frequency transformer (16) and to hte welding tongs (4, 5);

(b) an impedance measuring circuit (3) for high-frequency impedance measurment connected in parallel to the high-frequency generator (1);

(c) an additional impedance (7), connected by its one end to secondary winding (6), of the welding transformer and by its other end to one of the welding tongs (5), which has a high impedance in respect to the high frequency, but a low impedance in respect to the low frequency of the welding current;

(d) an interrupter circuit (8) connected to the primary winding (14) of said welding transformer (14, 6);

(e) a comparator (9) connected to the impedance measuring circuit (3) and to reference voltage source (10), said comparator actuating the interrupter circuit (8) when the comparison of the signal from the impedance measuring circuit (3) with the voltage from the reference voltage source (10) shows, that the contact between the first welding tong (4) through the two workpieces (11, 12) to the second welding tong (5) is complete.

Compl. specn.. .16 pages . Drgs. 2 sheets

Int. Cl.[4] : C 10 M 133/54; 159/12. 165253

AN ADDITIVE CONCENTRATE CONTAINING A FLOW AND FILTERABILITY IMPROVER MIXTURE.

Applicant : EXXON RESEARCH & ENGINEERING COMPANY, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF FLORHAM PARK, NEW JERSEY 07932, UNITED STATES OF AMERICA.

Inventors : ROBERT DRYDEN TACK, BRIAN WILLIAM DEVIES AND KENNETH LEWTAS.

Application for Patent No. 87/Del/86 filedd on 30th January, 1986.

Divisional to application No. 403/Del/82 filed on 27th May, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

An additive concentrate for improving the flow and filterability of distillate fuels containing from 3 to 90 wt. % of a flow and filterability improver mixture consisting essentially of :

(a) 25 to 95 wt. % based on a total weight of flow improver of a C_{30} – C_{80} oil-soluble nitrogen compound wax crystal growth inhibitor having at least one straight C_8 -C_{40} alkyl chain and being selected from the class consisting of amine salts and/or amides of aromatic or cycloaliphatic polycarboxylic acids of anhydrides thereof or the amide/amine salts of monoesters of said polycarboxylic acids, and

(b) 75-5 wt. % of an ethylene-vinyl acetate copolymer having a vinyl acetate content of about 10—40 wt. % and a number average molecular weight (M_n) of about 1000—30,000 and a degree of branching in the range of about 2—12 alkyl methyl groups per 100 methylene groups as deetermined by Nuclear Magentic Resonance (^1H NMR) spectro scopy and the balance, any conventional inert solvent. . The product of the invention is useful to improve the flow and filterability properties of distillate fuels.

Compl. specn. 26 pages. Drgs. 9 sheets

Int. Cl.[4] : C 02 F 3/18. . 165254

AN IMPROVED ROTATING BIOLOGICAL ROPE. CONTACTOR FOR THE TREATMENT OF BIODEGRADABLE WASTES. .

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : DR. ANAND SURESHCHANDRA, BAL, AHMAD NOOR KHAN, HARIDAS JAGANNATH PATIL AND ANDREWS CHARLES MANUEL.

Application for Patent No. 90/Del/86 filed on 1st January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

An improved rotating biological rope contactor for the treatment of biodegradable waste comprising at least 3 perforated circular discs (2), equally spaced and mounted firmly on a common rotatable shaft, the circular discs being provided with plastic ropes (3) which pass horizontally through the perforations, the shaft being supported by bearings (5) placed on the sides of a semi-circular tank (1), the tank being provided with an inlet (12) for the entry of biodegradable waste and an outlet (13) for the withdrawal of the treated waste and also provided with a top open through (11) at its bottom to facilitate collection of the degraded biomass and having a drain cock (14) for withdrawal of the collected biomass and the shaft being connected to a conventional low RPM prime mover electric motor (8), the shaft of the motor being coupled to the input shaft of a speed reduction gear box (7) through a coupling (9) for the supply of power.

Compl. specn. 11 pages. Drg. 1 sheet

Int. Cl.[4] : H 05 B 3/20, 3/40. 165255

A DRUUM HEATER FOR HEATING LIQUIDS.

Applicant : RACOLD APPLIANCES PVT. LTD., AN INDIAN COMPANY OF VANDHNA, 11, TOLSTOY MARG, NEW DELHI-110001, INDIA.

Inventor : SANJEEV SETHI.

Application for Patent No. 91/Del/86 filed on 31st Jan, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A drum heater for heating the liquids such as wax, resin or oil comprising a drum/barrel mounted on a trolley having a support frame for the said drum, said support frame having a pair of side arms, drum supporting members provided between said side arms, said arms being held to a handle, a heater assembly secured to said support frame below the said drum for heating of the liquid in the drum by radiation.

Compl. specn. 6 pages. Drg. 1 sheet

Int. Cl.[4] : B 67 C 3/02, 3/16. A 61 J 5/00. . 165256

"A PROCESS OF PRODUCING A BOTTLE CONTAINING A LIQUID TO BE ADMINISTERED INTRAVENEOUSLY".

Applicant & Inventor : VIVEK MULL, CHANDRA AGRO PVT. LIMITED, MULL BUILDINGS, ASHOK MARG, LUCKNOW, UTTAR PRADESH, INDIA, AN INDIAN NATIONAL.

Application for Patent No. 142/Del/86 filed on 20th February, 1986.

Complete specification left on 18th May, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for producing a bottle containing a liquid or solution to be administered intraveneously comprising the steps of filling the bottle with said solution, stopping the bottle and simultaneously evacuating air and vapour in the bottle characterised in that during said exacuation a pressure of (18 $\pm$ 3) inches or (45.70 $\pm$ 7.60) cm of mercury is maintained in the bottle at the time of stoppering.

(Provisional specification 4 pages).

Compl. specn. 5 pages.

Int. Cl.[4] : F 23 C 3/00. 165257

APPARATUS FOR SIMULTANEOUSLY REGENERATING AND COOLLING FLUDIZED PARTICLES.

Applicant : UOP INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL OFFICES LOCATED AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, U.S.A.

Inventors : ISMAIL BIRKAN CETINKAYA AND DANIEL NOHL MYERS.

Application for Patent No. 219/Del/86 filed on 10th March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

An apparatus for the combustion of a combustible material present on fluidized solid particles and for simultaneously cooling the resulting hot fluidized particles which apparatus comprising :

(a) a vertically oriented combustion chamber:

(b) a disengegement chamber located superadjacent to said combustion chamber and in communication therewith, there being a hot fluidized collection section located at the bottom of said disengagement chamber;

(c) a vertically oriented cooling chamber surrounding at least one heat exchanger of vertical orientation, the cooling chamber being in close proximity to a lower portion of said combustion chamber, the cooling chamber having an upper particle inlet and a lower particle outlet, with the entire heat exchanger being located below said particle outlet:

(d) a hot particle conduit of vertical orientation connecting said hot particle collection section of the disengagement chamber with said cooling chamber particle inlet, such that hot particles can flow downwardly from said disengagement chamber to said cooling chamber;

(e) a particle flow restriction means in said hot particle conduit;

(f) an open passageway connceting said particle outlet of said cooling chamber with said combustion chamber and providing means heat exchanger to said combustion chamber;

(g) a fluidizing gas inlet conduit connected to bottom portion of the cooling chamber providing means for the passage of fluidizing gas onto the shell side of said heat exchanger and maintaining a fluidized catalyst bed within the cooling chamber; and

(h) a flow control valve placed in said fluidizing gas inlet conduit.

Compl. specn. 20 pages. Drgs. 2 sheets

Int. Cl.[4] : F 16 G 1/28, 5/20; F 16 H 9/24. 165258

"POWER TRANSMISSION SYSTEM".

Applicant : UNIROYAL, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, ONE OF THE UNITED STATES OF AMERICA, LOCATED AT WORLD HEADQUARTERS, MIDDLEBURY, CONNECTICUT 06749 (USA).

Inventors : THADDEUS FRANK CATHEY, JOHN CORNELIUS GAYNOR & RODNEY JOHN NELSON.

Application for Patent No. 234/Del/86 filed on 13th March, 1986.

Divisional to application No. 667/Del/83 filed on 27th September, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

18 Claims

A power transmission system comprising :

the combination of (A) an endless flexible power transmission belt having a succession of identcal teeth uniformly spaced apart;

said belt having land areas between consecutive teeth and the outer surfaces of said land areas, in cross-section, defining a belt land line L;

each tooth having substantially identical fore and aft convex flank surfaces with at least part of said fore and aft flank surfaces shaped in cross-section as a curve approximating the arc of a circle centered on the line L;

each said belt tooth having a root portion connecting said flank curves to the respective land areas and having a tip portion connecting the opposite ends of said flank curves to each other;

said tooth having a height H measured from said line L to the extremity of said tip portion;

said tooth having a width W measured between the end points of said flank curves where said flank curves meet said root portions;

the curvature of said arcuate flanks being such that a tangent line drawn thereto at a point which is spaced from the belt line L a distance equal to 0.3 times the width dimension W will make an angle alpha with the vertical center line of the belt tooth:

said belt tooth having a hight-to-width relation within a first predetermined range and said angle alpha within a second predetermined range;

said first predetermined range being 0.50 to 0.67 and said second predetermined range being 18° to 23° and (B) a pulley having a plurality of identical peripheral belt engaging teeth defining between them pulley cavities;

wherein each pulley cavity possesses substantially identical fore and aft flank surfaces;

at least part of each said flank surfaces being shaped in cross-section as a curve approximating the arc of a circle and said pulley teeth having pulley land surfaces at the tips thereof;

said land surfaces defining in longitudinal cross-section portion of a pulley land line L approximating a circle concentric with the center of the pulley and said pulley cavity having a cavity bottom portion connecting the opposite arcuate flanks thereof at points on said flanks furthest spaced from said pulley land line L_p, each said pulley tooth tip having arcuate portions adjacent the pulley land line L_p and joining the respective arcuate flank portions to the adjacent pulley land areas and said cavity having a width dimension W_p measured between corresponding points of said arcuate flank portions where said arcuate portions of said pulley tooth tip connect with the respective arcuate flank surfaces;

said cavity having a depth hp measured between said pulley land line L_p and the portion of the cavity bottom portion which is spaced furthest from said pulley land line L_p;

the curvature of said cavity flank surfaces being such that they are substantially concave with respect to the body of the pulley and that a line drawn tangent thereto at a point thereon space from said pulley land line L_p a distance 0.3 times and width dimension W_p makes an angle p with the center line of said pulley cavity;

said pulley cavity having a depth-to-width relation within a third predetermined range and said angle p being within a fourth predetermined range, wherein said third predetermined range is from 0.47 to 0.64 and said fourth predetermined range is from 18.5° to 23.5°.

Compl. specn. 26 pages. Drgs. 3 sheets

Int. Cl.[4] : C 07 F 9/02. 165259

PROCESS FOR THE MANUFACTURE OF ORGANO PHOSPHODOUS COMPOUNDS FOR COMBATING PESTS.

Applicant: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : RENU RANI, PARVATHI NEELAKANTAN, GOPALAKRISHNA THYAGARAJAN, UDAY TRIAMBAKRAJ BHALERAO, MOHAMMAD FAZAL RAHMAN, MISS PARAMJIT GROVER, MOHAMMED MUSTAFA ALI KHAN AND SYED SHAH HUSSAIN QADRI.

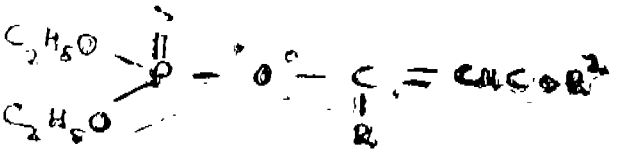
Application for Patent No. 264/Del/86 filed on 21st March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3—237 GI/89

8 Claims

A process for the production of dialkoxyphosphinothioyl-2-butenoic acid esters and amides represented by general formula shown in Fig. 1 wherein R_1 is methyl. R_2 is a methyl, methoxy,



ethoxy or amino methyl group which comprises reacting dialkyl phosphorochloride thionate with suitably substituted B-dicarbonyl compound in an organic solvent in the presence of an acid scavenger as herein described and if necessary, in the presence of a catalyst as herein described.

The compound prepared accordingly to process is more potent systamic insecticides.

Compl. specn. 11 pages. Drgs. 2 sheets

Int. Cl.[4] : A 61 K 7/16. 165260

"A PROCESS OF PREPARING AN ORAL COMPOSITION SUCH AS TOOTHPASTE, MOUTH WASH OR MOUTH SPRAY".

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED U THE STATE OF DELAWARE, AVENUE, NEW YORK, NEW STATES OF AMERICA.

Inventors : HOLLANDRA PAUI HERLES, STEPHEN SHYMON /

Application for Patent No. 27. March, 1986.

Appropriate office for oppositio Patents Rules, 1972) Patent Office 110005.

12 Claims

A process of preparing an oral cc paste, mouth wash or mouth spray adding a non-toxic zinc salt in an a least about 0.1 mg of zinc ions in ventional oral composition vehicle c herein described and adding either or said vehicle directly an ionone in pure form or present in a flavor cribed, the ratio of zinc ions to sai being 1000 : 1 to 5 : 1 by weight.

Compl. specn. 24 pages.

Int. Cl.[4] : F 23 L 13/00; F 23 M 5/00. 165261

REFRACTORY REPLACEABLE MEMBER FOR A SLIDING GATE VALVE.

Applicant : FLO-CON SYSTEMS, INC., AN ILLINOIS CORPORAT, LOCATED AT 1404 NEWTON DRIVE, CHAMPAIGN, ILLINOIS, U.S.A.

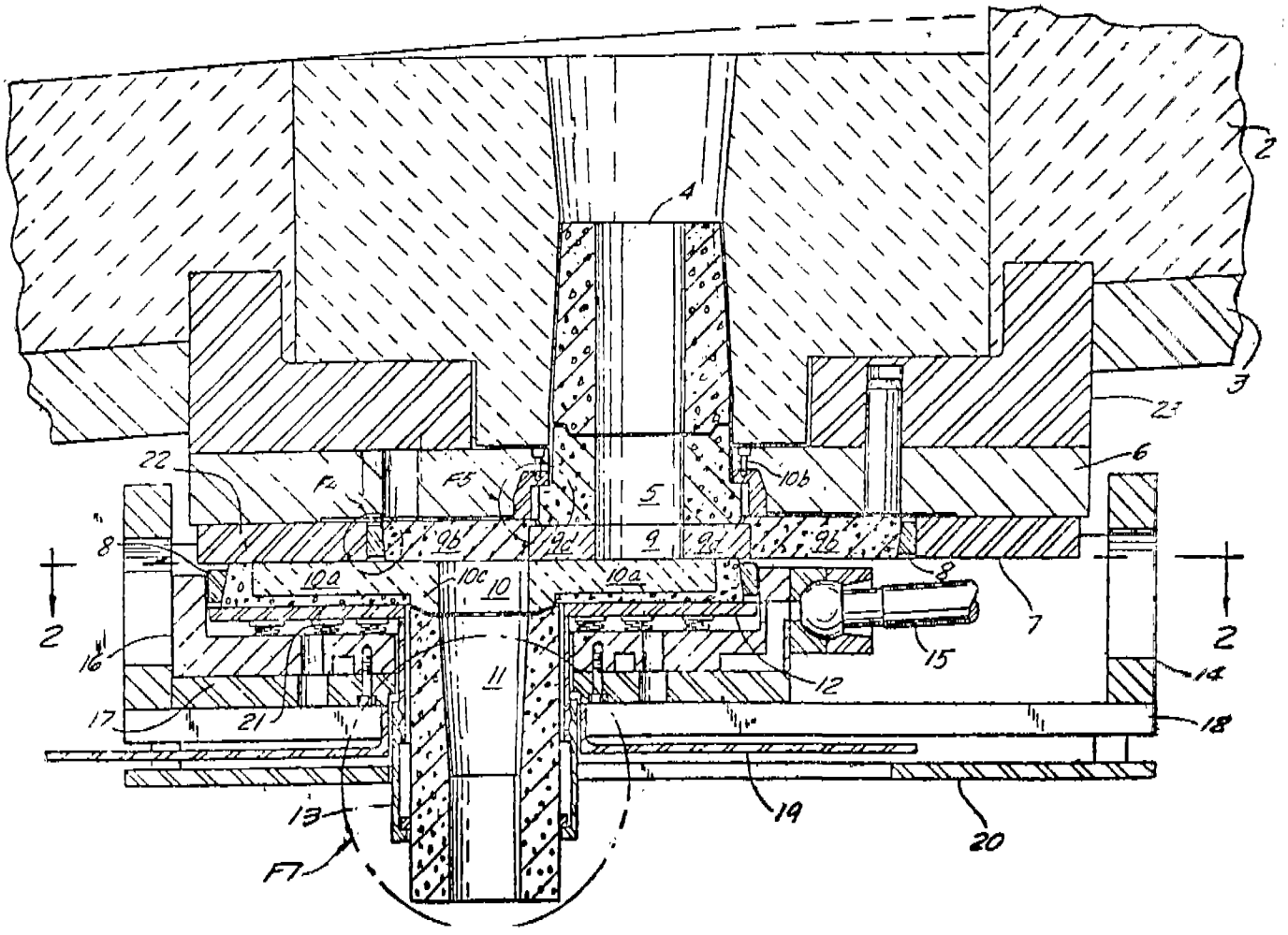
Inventors : (1) GEORGE THOMAS SHAPLAND, (2) PATRICK DANA KING (3) GARY ROBERT POLK AND (4) RANDALL LEE STALTER.

Application No. 431/Mas/85 filed June 11, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

12 Claims

Refractory replaceable member for a sliding gate valve, said member comprising a stationary plate, a sliding plate in sliding communication with the stationary plate, a well nozzle in teeming communication with the stationary plate, a collector nozzle in teeming communication with the sliding plate, each of the stationary plate and sliding gate having a curvilinear tapering sidewell, said taper has an angle and orientation for clamping engagement with the surrounding member of the sliding gate securing the same into position with its support member, inserting a central compressor and clamping force.



Compl. .specn. 16 pages. Drgs. 6 sheets

Int. Cl.[4] : G 08 C 15/00. . 165262

A DEVICE FOR TRANSFERRING ON A FREQUENCY CARRIER SIGNALS RELATIVE TO AN ELECTRIC MACHINE.

Applicant : CHARBONNAGES DE FRANCE, OF 9, AVENUE PERCIER, 75008 PARIS, FRANCE, A FRENCH COMPANY.

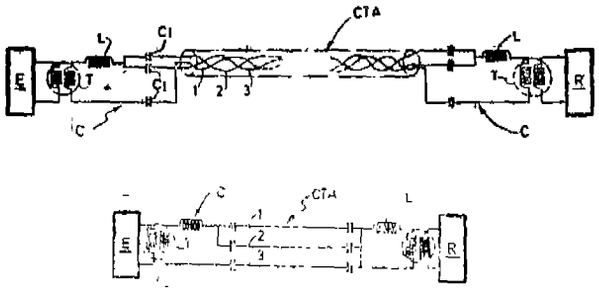
Inventors : MARC NOEL.

Aplication No. 466/Mas/85 filed June 24, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

A device for the transfer of signals associated with an electric machine provided with a power supply three-phase cable having three phase conductors comprising a signal transmitter and a receiver tuned to a carrier frequency, with the transmitter and the receiver being connected in two distant points of the power supply cable through an impedance and three capacitors, while being each connected independently of one another between anyone of the phase conductors, and both of the other phase conductors taken conjointly.



Compl. specn.. 22 pages. Drgs. 6 sheets

Int. Cl.[4] : H 01 M 2/14, 2/16, 2/18. 165263

LEAD-ACID STORAGE BATTERY.

Applicant : YUASA BATTERY COMPANY LIMITED, A JAPANESE CORPORATION, OF 6-6, JOHSAICHO, TAKATSUKI CITY, OSAKA PREFECTURE, JAPAN.

Inventor : KATSUJI ASHIDA; MASAAKI SASAKI.

Application No. 475/Mas/85 filed 25th June 1985.

Approproate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

A lead-acid storage battery comprising a container 5 having positive and negative plates 3 and 4; said positive and negative plates being separated by a microporous thin film separator 2 made of chlorinated polyvinyl chloride resin or copolymer resin containing acryl-butadiene-styrene and methyl-styrene as main components, the said separtor having a plurality of convex portions 9 are interconnected by concave portion 10.

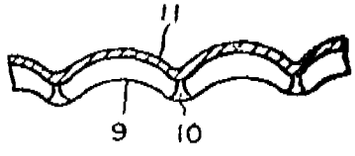
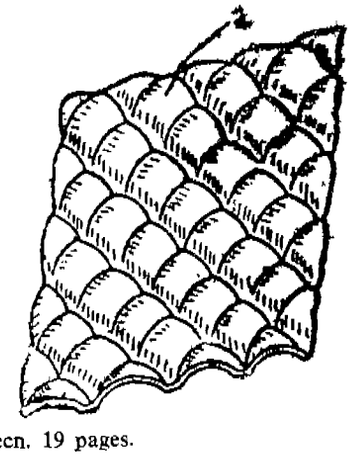


FIG 2



Compl. specn. 19 pages. Drgs. 2 sheets

Int. Cl.[4] : B 01 J 21/16. 165264

A PROCESS FOR PREPARING AN IMPROVED ZSM CATALYST.

Applicant : MOBIL OIL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., OF 150 EAST 42ND STREET, NEW YORK, NEW YORK 10017, U.S.A.

Inventors : (1) CONROY DONALD ANDERSON, (2) FRANCIS GERARD DWYER, (3) WILLIAM EDWARD CORMIER, (4) GARY MICHAEL PASQUALE, (5) WILLIAM ALBERT STOVER.

Application No. 503/Mas/85 filed July 2, 1985.

Approproate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

A process for preparing an improved ZSM catalyst having 1 to 10 wt% of ZSM-5, 1—30 wt% of a large pore zeolite and the remainder an amorphous support which comprises :

(a) containing the ZSM-5 with hydrocarbons in a catalytic cracking zone to produce cocked ZSM-5 containing minor amounts of hydrocarbon and coke;

(b) regenerating the coked ZSM-5 in catalyst regeneration zone by the steps comprising :

(i) burning a majority of the hydrocarbon from the ZSM-5, while leaving a majority of the coke thereon

(ii) removing most of the products of hydrocarbon combustion from contact with the ZSM-5 and subsequently;

(iii) burning coke from the ZSM-5; and

(c) repeating steps (a) and (b) until the initial paraffin cracking ability of the ZSM-5 has been reduced by at least 50%.

Compl. specn. 20 pages. Drg. Nil

Int. CLASS[4] : H 05 B 3/06 165265

AN IMPROVED ELECTRICAL-FLUID-HEAT-TRACING SYSTEM.

Applicant : RAYCHEM
RATION ORGANIZED AC
OF THE STATE OF CAL
CONSTITUTION DRIVE,
NIA 94025, U.S.A.

Inventor : KHOSROW AF
BATLIWALLA.

Application No. 523/Mas

Convention dated 14th Se
United Kingdom).

Appropriate office for op
Patents Rules, 1972) Patent

6 C

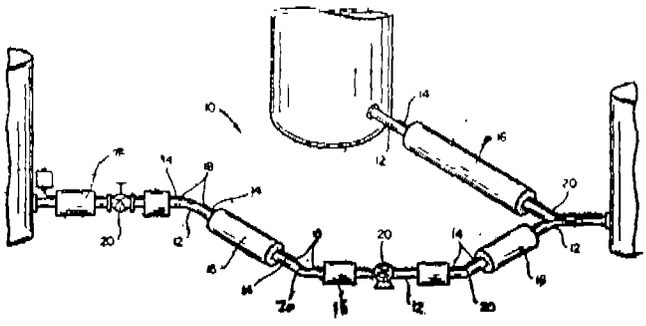
An improved electrical-flu
ing :

(a) a substrate to be h

(b) a plurality of inter-
cent to the substra

(c) thermal insulation s
and the substrate v
vided at spaced ap
thermal insulation
of interconnected t
heaters are provide

access points so that the heaters lie within and extend along at least some of the elongate tubes.



Compl. specn. 10 pages Drg. 3 sheets

Int. CLASS[4] : C 03 B 18/02 165266

METHOD AND DEVICE OF MAKING A GLASS RIBBON IN A FLOAT FURNACE.

Applicant : SAINT-GOBAIN VITRAGE, OF "LES MIROIRS", 18, AVENUE D' ALSACE, 92400 COURBEVOLE, FRANCE, A FRENCH COMPANY.

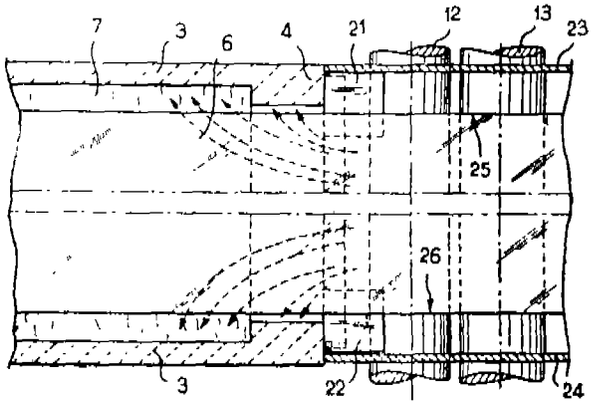
Inventor : ANDRE PIERRE.

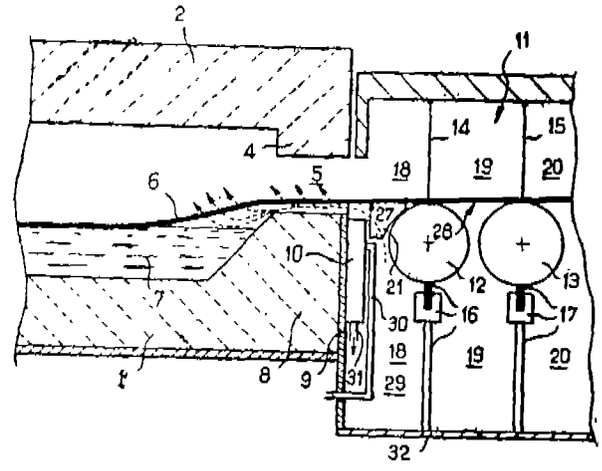
Application No. 533/Mas/85 filed July 12, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims

A method of making a glass ribbon in a float furnace in which the glass ribbon is withdrawn from the bath of molten metal and extracted from the furnace by means of at least one extractor roller, creating an excess pressure of inert gas below the glass ribbon between the first extractor roller and the line of separation of the glass ribbon from the bath of molten metal by introducing the inert gas into the lower part of the cell defined by the outlet wall of the furnace and the first extractor roller and gastight means associated therewith internal walls and a bottom and there is created a flow of said gas oriented upstream which after coming into contact with the lower surface of the glass ribbon is evacuated at the edges of said glass ribbon at the level of the outlet opening of the furnace and in the furnace itself.





Compl. specn. 12 pages Drg. 1 sheet

Int. CLASS[4] : G 01 K 7/18 165267

A BATCH FABRICATED THIN FILM PLATINUM RESISTANCE THERMOMETER.

Applicant : ROSEMOUNT INC., A CORPORATION OF THE STATE OF MINNESOTA, U.S.A., OF 12001, WEST 78TH STREET, EDEN PRAIRIE, MINNESOTA-55344, U.S.A.

Inventors : (1) ROBERT C. BOHARA, (2) JAMES A. RUF.

Application No. 569/Mas/85 filed July 23, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

A batch fabricated thin film platinum resistance thermometer comprising :

substrate for supporting the platinum and a resistive strip formed in a serpentine pattern on the substrate means and having an outer surface spaced from the substrate and side surfaces extending outwardly from the substrate to join the outer surface and defining a length;

a predetermined thickness on the substrate and opposite outer side edges where the outer surface and respective side surfaces join, said side edges defining a width of the strip;

characterised in that the strip comprises substantially uniform grains of platinum which is sputter deposited with substantially the same purity throughout the length, thickness and width of the strip.

Compl. specn. 27 pages Drg. 2 sheets—

one sheet of size-
33.00 cms. by 41.00 cms.)

Int. CLASS[4] : A 61 M 1/11 165268

SOFT SHELL BLOOD OXYGENATOR MADE OF SYNTHETIC MATERIAL.

Applicant : SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY, TRIVANDRUM-695 011, KERALA STATE, INDIA, AN INDIAN ORGANIZATION.

Inventor : VENKATESWARA SUBRAMANYA VENKETESAN.

Application No. 606/Mas/85 filed August 6, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

17 Claims

A blood oxygenator comprising :

a blood oxygenating column;

a de-foaming section and a reservoir section arranged in that order in the direction of flow of blood;

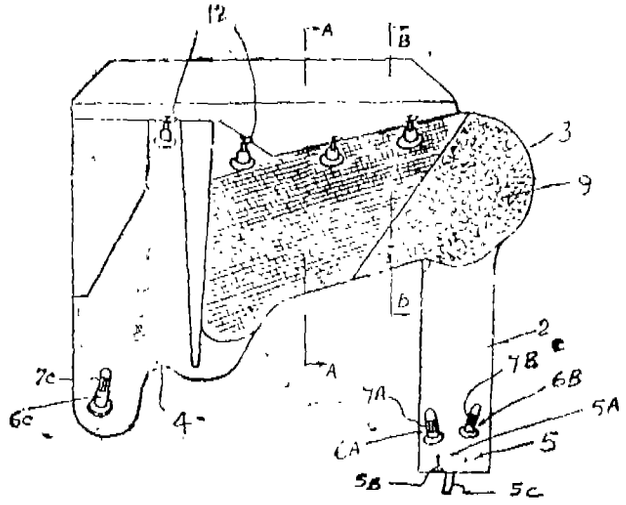
said oxygenating column having one or more blood inflow port/ports, an oxygen manifold in the vicinity of said port/ports;

said de-foaming section being in the form of a chamber in flow communication with said oxygenating column and having a packing made of synthetic fibrous material such as high density polyethylene fibers, in order to de-foam the blood passing therethrough;

said reservoir being in the form of a chamber in flow communication with said de-foaming section and provided with means for holding the chamber walls in position;

said reservoir having outlet port/ports for the outflow of purified and oxygenated blood;

the said de-foaming section and/or the said reservoir section having one or more air vent port/ports.



Compl. specn. 10 pages Drg. 1 sheet

4—237 GI/89

Int. CLASS[4] : A 61 M 1/11 165269

BLOOD OXYGENATOR INTEGRAL WITH CARDIOTOMY RESERVOIR.

Applicant : SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY, SATELMOND PALACE, TRIVANDRUM-695 012, KERALA STATE, INDIA, AN INDIAN ORGANISATION.

Inventor : VENKATESWARA SUBRAMANYA VENKATESAN.

Application No. 607/Mas/85 filed August 6, 1985.

Complete specification left August 4, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

37 Claims

A blood oxygenator integral with cardiotomy reservoir which comprises :

an oxygenator section and a cardiotomy reservoir section;

independent blood inlet means in said oxygenator section and in said cardiotomy reservoir section;

blood flow control means in the said oxygenator and cardiotomy reservoir section, by-pass means for blood provided in said cardiotomy reservoir, flow communication means for feeding blood from said cardiotomy reservoir to said oxygenator, oxygen manifold provided in the vicinity of the blood inlet means in the said oxygenator, outlet means provided in the said oxygenator, outlet means provided in said cardiotomy reservoir communicating with said oxygenator;

said oxygenator section having an oxygenating column;

a de-foamer section and a reservoir section;
said cardiotomy reservoir having a reservoir shell, a de-foamer, a micro filter and a coarse filter;
said oxygenator and said cardiotomy reservoir having air vents.

Prov. specn. 15 pages Drg. 2 sheets

Compl. specn. 23 pages Drg. 2 sheets

Int. CLASS[4] : C 08 B 15/00 165270

A METHOD OF PREPARING ANISOTROPIC COMPOSITION OF CELLULOSE ESTERS.

Applicant : MICHELIN RECHERCHE ET TECHNIQUE S.A., OF SCHUT ZENMATT STRASSE. 77-CH-4051 BALE 3, SWITZERLAND, OF SWISS NATIONALITY.

Inventors : (1) PHILIPPE VILLAINE (2) CLAUDE JANIN.

Application No. 612/Mas/85 filed August 6, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A method of preparing a composition having a base of at least one cellulose derivative containing cellulose ester groups, at least a part of the ester group being formate groups comprising :

(I) preparing a mixture of a cellulose material as herein described;

(II) a mixture of compounds having at least one compound selected from the group consisting of monocarboxylic organic acids, the anhydrides and halides of these acids,, the said mixture of compounds essentially containing at least in part formic acid/or an anhydride of formic acid and another organic acid;

(III) phosphoric anhydride and/or at least one phosphoric acid, wherein, the amount of water present to form the mixture is zero or such that the percentage ration :

$$R_{or} = \frac{P_e - P_{er}}{P_I + P_{II} + P_{III} + P_e - P_{er}}$$

is less than 15% and greater than —7.5%, P_e being the weight of water possibly present, P_{er} being the weight of water capable of possible reacting with material (II) and/or material (III), P_I being the weight of cellulose in material (I), P_{II} being the weight of material II and P_{III} being the weight of the material (III) and

the ratios R_I, R_{II}, R_{III} being defined by :

$$R_I = \frac{P_I}{P_I + P_{II} + P_{III} + P_e - P_{er}},$$

$$R_{II} = \frac{P_{II}}{P_I + P_{II} + P_{III} + P_e - P_{er}} \text{ and}$$

$$R_{III} = \frac{P_{III}}{P_I + P_{II} + P_{III} + P_e - P_{er}}$$

the ratios R_I, R_{II}, R_{III}, R_{or}, the sum of which $R_I + R_{II} + R_{III} + R_{or}$ is equal by definition to 100 the values when expressed in percentage and are in accordance with the relationships :

— if R_{or} verifies the relationship :

$12.5 \leqslant R_{or} \leqslant 15.0$

one has the relationships :

$10.0 \leqslant R_I \leqslant 14.5$; $2.0 \leqslant R_{II} \leqslant 10.0$

with the relationship : $R_{II} \leqslant 0.89\ R_I - 2.89$;

— if R_{or} verifies the relationship :

$10.0 \leqslant R_{or} < 12.5$

one has the relationships :

$10.0 \leqslant R_I \leqslant 19.5$; $2.0 \leqslant R_{II} \leqslant 17.0$

with the relationship : $R_{II} \leqslant 1.78\ R_I - 8.78$

if R_I verifies the relationship : $R_I < 14.5$

or with the relationship :

$R_{II} \leqslant -1.40\ R_I + 37.30$

if R_I verifies the relationship : $R_I \geqslant 14.5$;

—If R_{or} verifies the relationship :

$7.5 \leqslant R_{or} < 10.0$

one has the relationships :

$10.0 \leqslant R_I \leqslant 31.0$: $2.0 \leqslant R_{II} \leqslant 23.0$

with the relationship : $R_{II} \leqslant 4.40\ R_I - 32.00$

if R_I verifies the relationship $R^I \leqslant 12.5$,

or with the relationship :

$R_{II} \leqslant -1.19\ R^I + 41.50$

if R_I verifies the relationship : $R_I \geqslant 15.5$;

—if R_{or} verifies the relationship :

$5.0 \leqslant R_{or} \leqslant 7.5$

one has the relationships :

$10.0 \leqslant R_I \leqslant 37.0$; $2.0 \leqslant R_{II} \leqslant 27.5$

with the relationship : $R^{II} \leqslant 4.17\ R_I - 26.67$

if R_I verifies the relationship : $R^I \leqslant 13.0$

or with the relationship :

$R_{II} \leqslant -1.14\ R^I + 49.14$

if R_I verifies the relationship : $R_I \geqslant 19.0$

—if R_{or} verifies the relationship :

$2.5 \leqslant R_{or} \leqslant 5.0$

one has the relationships :

$10.0 \leqslant R_I \leqslant 37.0$ $2.0 \leqslant R_{II} \leqslant 36.5$

with the relationship : $R_{II} \leqslant 4.63$ $R_I - 28.25$

if R^I verifies the relationship : $R_I \leqslant 14.0$,

or with the relationship :

$R_{II} \leqslant -1.23\ R^I + 55.60$

if R_I verifies the relationship : $R_I \geqslant 15.5$;

—if R_{or} verifies the relationship :

$-2.5 < R_{or} < 2.5$

one has the relationships :

$10.0 \leqslant R_I \leqslant 38.0$; $\leqslant 2.0 \leqslant R_{II} \leqslant 40.0$

with the relationship : $R_{II} \leqslant 2.80$ $R^I + 5.00$

if R_I verifies the relationship : $R^I \leqslant 12.5$,

or ith the relationship :

$R_{II} \leqslant -1.14\ R^I + 62.14$

if R_I verifies the relationship : $R_I \geqslant 19.5$;

—if R_{or} verifies the relationship :

$-5.0 < R_{or} \leqslant -2.5$

one has the relationships :

$10.0 \leqslant R_I \leqslant 35.0$: $2.0 \leqslant R_{II} \leqslant 45.0$

with the relationship : $R_{II} \leqslant -1.30\ R_I + 64.50$;

If R_{or} verifies the relationship :

$-7.5 < R_{or} \leqslant -5.0$

one has the relationships :

$10.0 \leqslant R_I \leqslant 32.0$: $2.0 \leqslant R_{II} \leqslant 36.0$

with the relationship : $R_{II} \leqslant 4.00$ $R_I - 22.00$

if R_I verifies the relationship : $R^I \leqslant 14.5$:

(d) the degree of polymerization DP of the cellulose of materials (I) is greater than 150 and less than 1500;

(e) the esterification of the cellulose is allowed to proceed in this mixture for a period of time sufficient to obtain the anisotropic solution.

Compl. specn. 113 pages Drg. 8 sheet

Int. CLASS[4] : F16L 15/00 165271

TITLE PIPE COUPLING.

Applicant & Inventor : ANDRZEJ TOMASZ IWANICKI, A SWEDISH CITIZEN, OF OSTRANDSVAGEN 72, S-122 43 ENSKEDE, SWEDEN.

Application for Patent No. 12/Del/84 filed on 9th February, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

Pipe coupling including :

a connection member for receiving a coupling member which acts on clamping and sealing means;

said clamping and sealing means being axially compressible by the coupling member or connection member in which it is inserted. for translating the compression forces generated by the axial compression into radial compression forces against a coupling piece inserted in the coupling, such as to seal and fix the coupling;

characterised in that the clamping and sealing means is formed with a pheripheral and radialy outwardly directed projection; and

a locking flange is located on the coupling member or conection member said flange being radially inwardly directed and having lesser internal diameter than the outside diameter of the projection. whereby the clamping and sealing means is retained in the coupling member or conection member.

Compl. specn. 19 pages Drg. 6 sheets

Int. CLASS[4] : B07C 3, 20 165272

MACHINE FOR FILLING BOTTLES OR OTHER CONTAINERS WITH VISCOUS LIQUIDS.

Applicant and Inventor : SWARAN SINGH AND SATNAM SINGH, BOTH INDIAN NATIONALS OF HONJAN MACHINE TOOLS, C-127, MANSORVAR GARDEN, NEW DELHI-110015, INDIA.

Application for Patent No. 174/Del/85 filed on 5th March, 1985.

Complete specification left on 13th March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A machine for filling bottles or other containers with viscous liquids comprising :

a feed station for feeding empty bottles or containers to a work station or filling station having means to fill predetermined amount or dose of the viscous material into the bottles or containers;

a discharge station for receiving the filled bottles or containers;

a main tank containing the viscous material and a plurality of cylinder and piston assemblies each adapted to draw the viscous liquid into its cylinder and discharge the same into a bottle or container presented at its outlet during discharge stroke of its piston;

a cam assembly provided for adjusting the strokes of the said cylinder piston assemblies for varying the volume of the viscous liquid drawn in and discharged by each cylinder.

Compl. specn. 15 pages Drg. 5 sheets

CLASS : 63F 165273

Int. CLASS : H02k 23/00.

ELECTRONICALLY COMMUTATED DC MACHINE.

Applicant & Inventor : ERICH RABE, A CITIZEN OF FEDERAL REPUBLIC OF GERMANY, OF AUF DER SCHANZ 44, 8500 NURNBERG 14, FEDERAL REPUBLIC OF GERMANY.

Application for Patent No. 426/Del/85 filed on 27th May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

35 Claims

An electronically commutated DC machine, comprising :

a rotor having at least one permanent magnet with at least four poles adjacent an annular return circuit element;

said poles being disposed concentrically to the rotary axis of the rotor and being polarized substantially perpendicularly thereto;

at least one stationary meander-like conductive strip array in the annular gap between said rotor and said return circuit element;

at least one sensor means for detecting the angular position of the rotor relative to linear forward or backward extending meander sections of said conductive strip array, and an electronic control system connected with said sensor means for controlling on the basis of signals produced by said sensor means the flow of current through the conductive strip array whereby said conductive strip array produces a magnetic field to drive said rotor;

characterised in that each of the linear forward or backward extending meander sections of the meander-like conductive strip array comprises a number of (geometrically arranged) parallel conductor sections, at least some of which are conected in series by linear meander sections.

Compl. specn. 56 pages Drg. 8 sheets

Int. CLASS : H01B 11/00 165274

DEVICE FOR THE EXTRACTION OF LIGHT FROM THE CORE OF A BUFFER COATED OPTICAL FIBRE.

Applicant : BICC PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF 21, BLOOMSBURY STREET, LONDON WC1B 3QN, ENGLAND.

Inventor : SANJIV SAHA.

Application for Patent No. 608/Del/85 filed on 30th July, 1985.

Convention date August 8, 1984/8420135/(U.K.), Reference to Co-pending Application No. 609/Del/85.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

12 Claims

A device for the extraction of light from the core of a buffer coated optical fibre which device consists of a body which is made of a substantially rigid transparent material and which has at least three faces, a first or contact face which is of substantially arcuate shape and which bears against a smoothly curved length of buffer coated optical fibre, a second or exit face through which light emerging from the optical fibre and into the body can pass and a third or reflecting face which will reflect light passing through said contact face into the body in a direction towards said exit face, the shapes of said contact, reflecting and exit faces and the positions of the reflecting and exit faces relative to the contact face being such that at least a major proportion of light passing

from the core of a smoothly curved length of buffer coated optical fibre against which contact face into the body will be directed and reflected towards and out of said exit face, from where it can pass to a light detector placed adjacent said exit face.

Compl. specn. 12 pages Drg. 2 sheets

Int. CLASS[4] : H 01 B 11/00 165275

APPARATUS FOR INJECTING LIGHT EMITTED BY A LIGHT SOURCE THROUGH A BUFFER COATED OPTICAL FIBRE INTO THE CORE THEREOF.

Applicant : BICC PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF 21, BLOOMSBURY STREET, LONDON WC1B 3QN, ENGLAND.

Inventor : SANJIV SAHA.

Application for Patent No. 609/Del/85 filed on 30th July, 1985.

Convention date 30th July, 1984/8419408/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

Apparatus for injecting light emitted by a light source through a buffer coated optical fibre into the core thereof, said apparatus comprising :

a body which is made of a substantially rigid transparent material and which has at least three faces;

a first or contact face which is of substantially arcuate shape and against which a smoothly curved length of buffer coated optical fibre is caused to bear;

a second or entry face through which light emitted by the light source is injected into the body in a direction towards said contact face and a third of reflecting face which will reflect injected light in a direction towards said contact face;

the inclinations of said faces relative to one another being such that at least a major proportion of light injected through the entry face into the body will be directed or reflected towards a part of the length of said smoothly curved contact face from where it will pass through the buffer coating and cladding of said optical fibre against which said body bears into the core of the optical fibre.

Compl. specn. 12 pages *Drg. 2 sheets*

Int. CLASS[4] : C01C 1/04 165276

AMMONIA SYNTHESIS CONVERTER.

Applicant : THE M. W. KELLOGG COMPANY, A CORPORATION OF THE STATE OF DELAWARE. U.S.A., OF THREE GREENWAY PLAZA, HOUSTON, TEXAS 77046, UNITED STATES OF AMERICA.

Inventors : KENNETH LEWIS BLANCHARD, STEPHEN ALLEN NOE, THOMAS MICHAEL O'CONNOR, GEORGE BOWES.

Application for Patent No. 701/Del/85 filed on 23rd August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

An ammonia synthesis converter comprising :

(a) a reactor having a single, horizontal, continuous, cylindrical shell with a head at each end thereof contiguous with the shell and a length to diameter ratio between 10 and 20 divided into at least first, second, and third pressure compartments by transverse bulkheads, each of the pressure compartments having a top gas inlet disposed in the upper portion of the shell and a bottom gas outlet disposed in the lower portion of the shell and single slab, adiabatic catalyst bed containing synthesis catalyst horizontally disposed at substantially the pressure compartment midsection and extending across the entire cross-section of the pressure compartment, the catalyst bed being defined at its bottom surface by a foruminous, flat, horizontal support extending across the pressure compartment and at its horizontal extremities by the cylindrical shell and at least one transverse bulkhead, the top surface of the catalyst bed being in fluid communication with the gas inlet and the bottom surface of the catalyst bed being in fluid communication with the gas outlet, the catalyst bed having a surface area to depth ratio between 15 and 75 m^2/m;

(b) first and second indirect heat exchange means external to the reactor, each of the heat exchange means having a hot side inlet and a hot side outlet; and

(c) pipe means for serial fluid conection from the first pressure compartment gas outlet to the first indirect heat exchange means hot side inlet, from the first indirect heat exchange means hot side outlet to the second pressure compartment gas inlet, from the second pressure compartment gas outlet to the second indirect heat exchange means hot side inlet, and from the second indirect heat exchange means to the third pressure compartment gas inlet.

Compl. specn. 11 pages Drg. 1 sheet

Int. CLASS[4] : C 01 C 1/04; C 07 C 31/04 165277

SYNTHESIS CONVERTER SYSTEM FOR EXOTHERMIC CATALYTIC REACTIONS.

Applicant : THE M. W. KELLOGG COMPANY, A CORPORATION OF THE STATE OF DELAWARE, U.S.A., OF THREE GREENWAY PLAZA, HOUSTON, TEXAS 77046, UNITED STATES OF AMERICA.

Inventors : GEARGE BOWES, STEPHAN ALLEN NEO and VALLABH DAS PATEL PATEL.

Application for Patent No. 702/Del/85 filed on 23rd August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A synthesis converter system comprising :

(a) at least rst and second pressure vessel, each of said pressure vessels having a top curved head and a bottom curved heat contiguous at their flanges, a gas inlet disposed in the top curved head, a gas outlet disposed in the bottom curved head, a single, adiabatic, catalyst bed containing synthesis catalyst horizontally disposed at substantially the pressure vessel midsection and extending across the entire cross-section of said pressure vessel, said catalyst bed being defined at its bottom surface by a foraminous, flat, horizontal support extending across the pressure vessel and at its horizontal extremities by at least one of the curved heads, the top surface of said catalyst being in fluid communication with the inner surface of said top curved head and said gas inlet and the bottom surface of said catalyst bed being in fluid communication with the inner surface of said bottom curved head and said gas outlet; and

(b) indirect heat exchange means having a hot side inlet and a hot side outlet, the hot side inlet being in fluid communication with the first pressure vessel gas outlet and the hot side outlet being in fluid communication with the second pressure vessel gas inlet.

Compl. specn. 14 pages Drg. 1 sheet

Int. Cl.[4] : G 06 F 1/00. . 165278

A PRACESSER WITH A BUS INTER FACE UNIT.

Applicant : DIGITAL EQUUIPMENT CORPORATION, A MASSACHUUSETTS CORPORATION, OF 146 MAIN STREET, MAYNARD, MASSACHUUSETTS 01754, UNITED STATES OF AMERICA.

Inventors : RICHARD LEE SITES AND STANLEY AMES LACKEY. .

Application for Patent No 749/Del/85 filed on 12th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A processor with a bus interface unit for connection to a memory over a bus to form a digital date processing system, said processor comprising processing means for processing program each having a selected one of a plurality of access rights modes, said memory comprising aplurality of addressable storage locations each comprising alike plurality of individually accessible byte locations, the storage locations being grouped into a plurality of pages each having a selected number of storage locations, with each page having an access ripht mode, said bus interface unit comprising :

(a) transfer means for connection to said processing means and said bus and responsive to a single transfer request from said processing means for initiating a memory acce s over said bus to two adjacent addressable locations in said memory in two transfers over said bus;

(b) access verification means connected to said transfer means and responsive to said transfer means initiating a memory access for enabling said transfer means to perform an access verification operation to determine whether the access right mode of said program corresponds to the access right mode of one of the addressable locations; and

(c) trap means comprising :

(i) page test means connected to said transfer means and responsive to said transfer means initiating a memory access to two adjacent locations in memony for determining whether the transfers are to separate pages;

(ii) page cross verification enabling means connected to said page test means and said access verfication means for enabling said access verification means to perform two access verification operations in response to said page test means determining that the transfers are to separate pages, each access verification operation being directed to one of the addressable locations in each of the pages, to determine whether the access mode right of said program corresponds to the access right modes of both of the addressable locations; and

(iii) page cross transfer enabling means connected to said page test means, said access verification means and said transfer means for disabling said transfer means in response to said page test means determining that the transfers are to separate pages and to thereafter enable said transfer means to engage in the transfers in response to the determination by said access verification means that the access right mode of the program corresponds the access right modes of borth addressable locations.

Compl. specn. 29 pages. Drgs. 3 sheets

Int. Cl.[4] : C 02 B 1/00, 1/20. 165279

APPARATUUS FOR TREATMENT OF UNCLARIFIED WATER.

Applicant : LENOX INSTITUTE FOR RESEARCH, INC., A CHARITABLE CORPORATION OF MASSACHUSETTS, OF 101 YOKUN AVENUE, LENOX, MASSACHUSETTS 01240, UNITED STATES OF AMERICA.

Inventor : MILOS KROFTA.

Application for Patent No. 762/Del/85 filed on 18th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

17 Claims

Apparatus for treatment of unclarified water comprising : in combination, an outer tank;

an inner tank arranged within said outer tank, a carriage arranged on top of said outer tank and movable about the vertical axis thereof;

conduit means for introducing unclarified water into said inner tank;

supply means connected to said conduit means for adding flocculating material to the unclarified water, whereby the flocculating material is mixed with the unclarified water in said inner tank, the top of said inner tank being below the top of said outer tank, whereby the unclarified water with flocculating material therein overflows from said inner tank into said outer tank air dissolving means for introducing into the upper portion of said inner tank gaseous material dissolved in water with the flocculated contaminant particles in the mixture and floating the same in said outer tank;

scope means on said carriage for removing the sludge formed by the flocculated particles on the surface of the water in said outer tank;

filter means at the bottom portion of said outer tank for removing downwardly flowing flocculated material, and discharge pipe (21) for removing the thus clarified water.

Compl. specn. 16 pages . Drgs. 2 sheets

Int. Cl.[4] : B 44 D 5/06, C 03 C 25/02. 165280

"A METHOD AND APPARATUS FOR COATING AN OPTICAL FIBRE".

Applicant : STC PLC, A BRITISH COMPANY, OF 190 STRAND, LONDON WC2R 1DU, ENGLAND.

Inventors : PAUL GERALD TOMLINSON AND RICHARD THOMAS NEWBOULD.

Application for Patent No. 810/Del/85 filed on 3rd October, 1985.

Convention date 10th October, 1984 8425610 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A method of coating an optical fibre with a coating material comprising drawing the fibre through a coating material applicator having an entrance orifice and an exit orifice substantially concentric about the fibre, causing said applica-

tor to coat the fibre with the material as the fibre passes through the applicator, monitoring thte concentrically of the coating on the fibre with a concentricity monitor, and tilting the applicator with a tilting mechanism about a pivot point at or close to the lower exit orifice in response to signals from the concentricity monitor representing detailed accentricity in the coated fibre, to adjust and thereby maintain the desired concentricity of the coating on the fibre.

Compl. speen. 9 pages. Drgs. 4 sheets

CLASS : 32-B. 165281

Int. Cl. : C 07 d 57/00, 57/16.

PROCESS FOR PREPARING PYRAZOLESULFONAMIDE DERIVATIVE.

Applicant : NISSAN CHEMICAL INDUSTRIES, LTD., OF 7—1, KANDA-NISHIKICHO 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

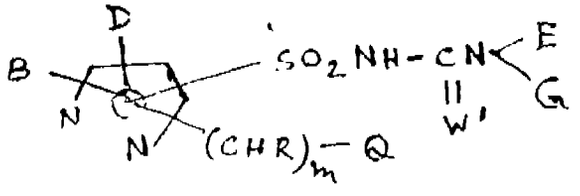
Inventors : (1) SUSUMU YAMAMOTO, (2) TAKNYA KAKUTA, (3) TOSHIAKI SATO, (4) KATSUSHI MORIMOTO, (5) EIICHI OYA, (6) TAKASHI IKAI, (7) TSUTOMU NAWAMAKI.

Application No. 7/Cla/86 filed January 01, 1986.

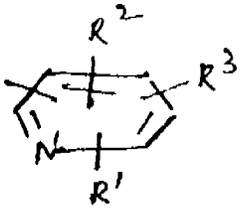
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

58 Claims

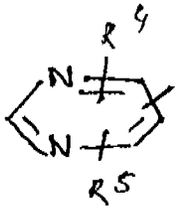
A process for preparing a pyrazolesulfonamide derivative presented by Formula (I) of the accompanying drawings.



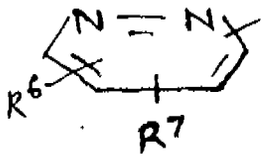
Formula (I)



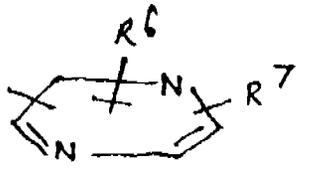
Formula (XIX)



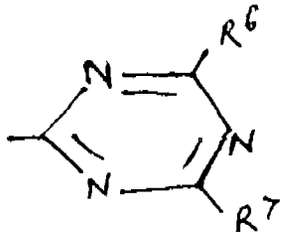
Formula (XX)



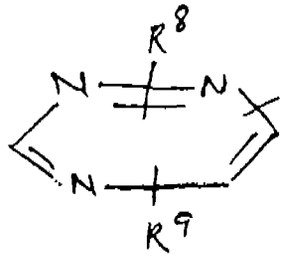
Formula (XXI)



Formula (XXII)



Formula (XXIII)



wherein Q represents a group of formula (XIX), (XX), (XXI) (XXII), (XXIII) or (XXIV)

wherein R^1, R^2 and R^3 each independently represent a hydrogen atom, a halogen atom, a nitro group, a C_1-C_8 alkyl group, a halogenated C_1-C_8 alkyl group, a group of $COOR^{10}$, a group of $S(O)_nR^{11}$, a group of $NR^{12}R^{13}$, a C_1-C_8 alkoxy group, a group of $SO_2NR^8R^9$, a group of SO_2OR^{11} or an unsubstituted phenyl group or a phenyl group substituted with a halogen atom, a nitro group, a group of $COOR^{10}$, a C_1C_8 alkoxy group or a C_1-C_8 alkyl group;

R^4 and R^5 each independently represent a hydrogen atom, a halogen atom, a C_1-C_8 alkyl group, a halogenated C_1-C_8 alkyl group, a nitro group, a group of $COOR^{10}$, a group of $S(O)_nR^{11}$, a C_1-C_8 alkoxy group or an unsubstituted phenyl group or a phenyl group substituted with a halogen atom, a group of $COOR^{10}$, a nitro group, a C_1-C_8 alkoxy group or a C_1-C_8 alkyl group;

R^6 and R^7 each independently represent a hydrogen atom, a halogen atom, a C_1-C_8 alkyl group or a C_1-C_8 alkoxy group;

R^8 and R^9 each independently represent a hydrogen atom, a C_1-C_8 alkyl group or a phenyl group;

R^{10}, represents a hydrogen atom or a C_1-C_8 alkyl group; R^{11} represents a C_1-C_8 alkyl group and n is an integer of 0, 1 or 2;

R^{12} and R^{13} each independently represent a hydrogen atom or a C_1-C_8 alkyl group;

M represents an integer of O. 1 or 2, and R represents a hydrogen atom or a C_1-C_8 alkyl group;

B and D each independently represent a hydrogen atom' a halogen atom, a nitro group, a C_1-C_8 alkyl group, an arylalkyl grouk, a C_1-C_8 alkoxy group, a halogenated C_1-C_8 alkyl group, a group of $COOR^{14}$, a group of $CONR^{15}R^{16}$, a group of $S(O)nR^{17}$, a cyano group, a group of $R^{18}R^{16}$, a group of $SO_2NR^{20}R^{21}$, a group of OH, an unsubstituted benzoyl group or a benzoyl group substituted with a halogen atom or a C_1-C_8 alkyl group, or an unsubstituted phenyl group or a phenyl group substituted with a halogen atom, a nitro group, a group of $COOR^{10}$ or a C_1-C_8 alkyl group;

R^{14} represents a hydrogen atom, an unsubstituted C_1-C_8 alkyl group (or a C_1-C_8 alkyl group substiutted with an unsubstituted C_1-C_8 alkoxy groupor a C_1-C_8 alkoxy group substituted with a group of R^{10}.0 a halogenated C_1-C_8 alkoxy group, a cyano group, a phenoxy group, a C_1-C_8 alkoxycarbonyl group, a group of $R^{10}R^{11}N$, a C_3-C_7 cycloalkyl group, a C_1-C_8 alkylthilo group or a C_1-C_8 alkylcarbonyl group,) an unubstituted C_1-C_8 alkenyl group or a C_1-C_8 alkenyl group substituted with a halogen atom, an unsubstituted C_1-C_8 alkynl group or a C_1-C_8 alkynyl group substituted with a halogen atom, a halogenated C_1-C_8 alkyl group, a C_3-C_7 cycloalkyl group or a benzyl group;

R^{15} represents a hydrogen atom, a C_1-C_8 alkyl group or a phenyl group, and R^{16} represents a hydrogen atom, a C_1-C_8 alkyl group or a C_1-C_8 alkoxy group;

R^{17} represents a C_1-C_8 alkyl group, a C_1-C_8 alkoxy group,. a phenyl group, a halogenated C_1-C_8 alkyl group, a C_1-C_8 alkenyloxy group or a C_1-C_8 alkynyloxy group, and n represents an integer of O, 1 or 2;

R^{18} and R^{19} each independently represent a hydrogen atom, a C_1-C_9 alkyl group, a C_1-C_8 alkylcarbonyl group or a C_1-C_8 alkylsulfonyl group;

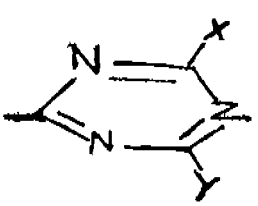
R^{20} and R^{21} each independently represent a hydrogen atom, a C_1-C_8 alkyl group, a C_1-C_8 alkenyl group, C_8 alkynyl group;

R^{10} is as defined above;

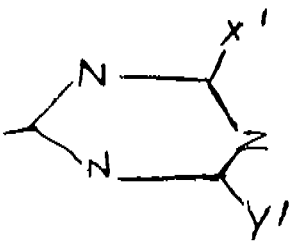
E represents a hydrogen atom, a C_1-C_8 alkyl group, a C_1-C_8 alkenyl group, a C_1-C_8 alkynyl group, or a C_1-C_8 alkoxy group;

W' represents an oxygen atom or a sulfur atom;

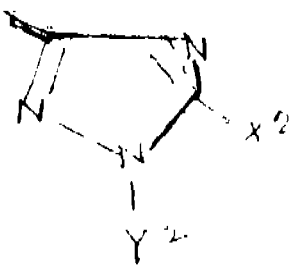
G represents a group of formula (XXV), (XXVI), or (XXVII) wherein X and Y each independently represent a hydrogen atom, a halogengroup, a C_1-C_8 alkyl group, a C_1-C_8 alkoxy group, a C_1-C^8 alkoxyalkyl group, a halogenated C_1-C_8 alkyl group, or a halogenated C_1-C_8 alkoxy group, a group of $NR^{22}R^{23}$, a group of $OCH(R^{10})$ $COOR^{10}$, a group of $COOR^{10}$, a cyclopropyl group, a group of $CH(OR^{24})_2$, a C_1-C_8 alkylthio group or a halogenated C_1-C_8 alkylthio group; R^{22} and R^{23} each independently represent a hydrogen atom, a C_1-C_8 alkyl group or a C_1-C_8 alkoxy group; R^{24} represents a C_1-C_8 alkyl group;



Formula (XXV)



Formula XXVI)



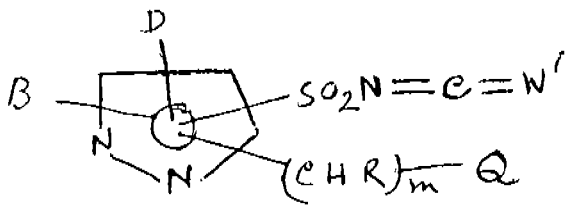
Formula (XXVII)

R^{10} is as defined above;

X^1 and Y^1 each independently represent a hydrogen atom, a halogen group, a C_1-C_2 alkyl group or a C_1-C_2 alkoxy group;

X^2 represents a C_1-C_2 alkyl group, a C_1-C_8 alkylthio group or a C_1-C_8 alkoxy group, and Y^2 represents a C_1-C_8 alkyl group;

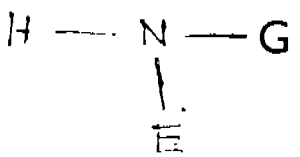
Z represents a nitrogen atom or a group of C-R^{25}; R^{25} represents a hydrogen atom, a C_1-C_8 alkyl group or a halogenated C_1-C_8 alkyl group, a halogen atom, a C_1-C_8 alkoxy group or a 5-memebered ring containing an oxygen atom together with Y or Y^1; which comprises reacting a pyraxolesulfonyl (thio) isocyanate derivative represented by Formula (II); wherein Q, m, R, B, D and W' are as defined above; with



Formula (II)

the proviso that the group $-SO_2$ $N=C=W'$ in Formula (II) is not substituted on the nitrogen atom in the pyrazol ring, and, when the group of—(CHR)m-Q is not substituted on the nitrogen atom in the pyrazole ring, the substitutent for B or D on the nitrogen atom is selected from a hydrogen atom a C_1-C_8 alkyl group, a C_1-C_8 alkenyl group a C_1-C_8 alkynyl group, a group of CH_2 CN, a C_1-C_8 alkoxyalkyl group, a C_1-C_8 alkylthioalkyl group, a group of $-CH_2COOR^{10}$, a group of $—COR^{10}$, a group of SO_2R^{24}, a group of $SO_2NR^{10}R^{24}$ or an unsubstituted phenyl group or a phenyl group substituted with a halogen atom, a nitro group, a group of $COOR^{10}$ or a C_1-C_2 alkyl group; R^{10} and R^{24} is as defined above;

with an aminopyrimidine, aminotriazine or aminotriazole derivative represented by formula (III); wherein G and E are as defided above, in an inert solvent.



Formula (III)

Compl. specn. 306 pages Drg. 10 sheets

CLASS : 95-D. 165282

Int. Cl. : B 25 b 27/00.

AN OPENING ROLLER FOR REMOVING TUFTS FROM FIBER BALES.

Applicant : TRUTZSCHLER GMBH & CO. KG., OF DUVENSTR, 82—92, D-4050, MONCHENGLADBACH 2, WEST GERMANY.

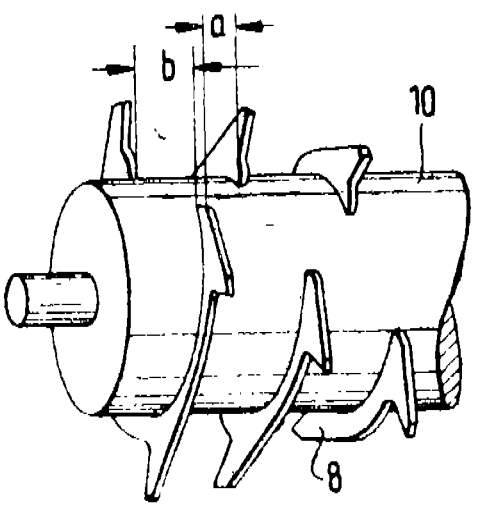
Inventors : (1) STEFAN FEIKS, (2) JOSEF TEMBURG,

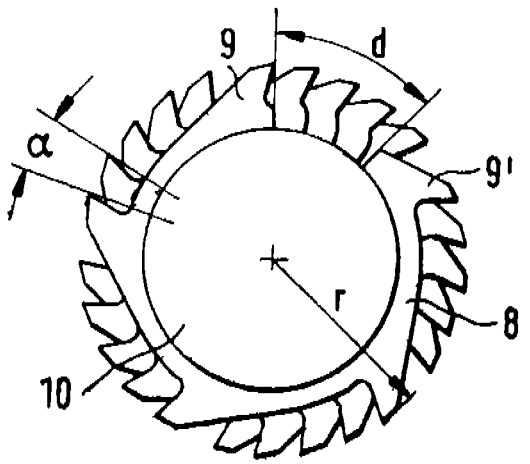
Application No. 9/Cal/86 filed January 02, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

An opening roller for removing tufts from fiber bales, including a cylindrical core having an axis and annular toothed discs affixed in an axially spaced relationship peripherally to said cylindrical core; said toothed discs having teeth adapted to penetrate into the fiber bales upon rotation of said cylindrical core; the improvement wherein each said toothed disc has a helical course, and further wherein axially adjoining teeth are peripherally offset relative to one another and said teeth, viewed as a whole, extend in a screw-thread pattern on said cylindrical core and further comprising a plurality of circumferential annular clearances defined between selected adpoining toothed discs for accommodating grate bars of a grate in an installed state of said opening roller.





Compl. specn. 10 pages Drg. 2 sheets

CLASS : 40-F. 165283

Int. Cl. : B 01 f 11/00 to 13/00.

A PROCESS AND AN APPARATUS FOR DILUTING A LIQUID TO A DILUTION OF A DESIRED LEVEL.

Applicant & Inventor : ANUPAM BHATTACHARYYA, MAHESH BHAVAN, 74, VIVEKANNDA ROAD, CALCUTTA-700006, WEST BENGAL, INDIA.

Application No. 178/Cal/1986 filed March 11, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

An apparatus for diluting a liquid to a dilution of desired level comprises a chamber for carryingout the process of dilution, a mechanical stirrer fitted in the chamber, a resorvoir for diluent from which the diluent is supported to the dilution chamber, a suction drainage pipe and a suction pump to suck out the extra dilution from the dilution chamber and an electronic timing and programming device or a cam and push rod device to control the flow of liquid in the dilution chamber, its stirring/succusing and also its suction from the dilution chamber.

Compl. specn. 19 pages. Drg. 1 sheet

CLASS : 165284

Int. Cl. : B 01 j 8/00.

APPARATUS FOR MEASURING PARAMETERS OF SOLID PHASE OF SLURRIES.

Applicant : (1) KRIVOROZHSKY GORNORUDNY INSTITUT, OF KRIVOI ROG, ULITSA XXII PARTSIEZDA, 11, USSR; AND (2) VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY I PROEKTNY INSTITUT MEKHANICHESKOI OBRABOTKI POLEZNYKH ISKOPAEMYKH, OF LENINGRAD, 21 LINIA, 8A, USSR.

Inventors : (1) VLADIMIR STANISLAVOVICH MORKUN, (2) VALENTIN PETROVICH KHOROLSKY, (3) VALDIMIR STANISLAVOVICH PROTSUTO, (4) VIKTOR NIKOLAEVICH POTAPOV.

Application No. 349/Cal/1986 filed May 05, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An apparats for measuring parameters of solid phase of sluries, comprising :

two measurement channels, each channel having a series circuit comprising a pulse generator, and emitting ultrasonic transducer;

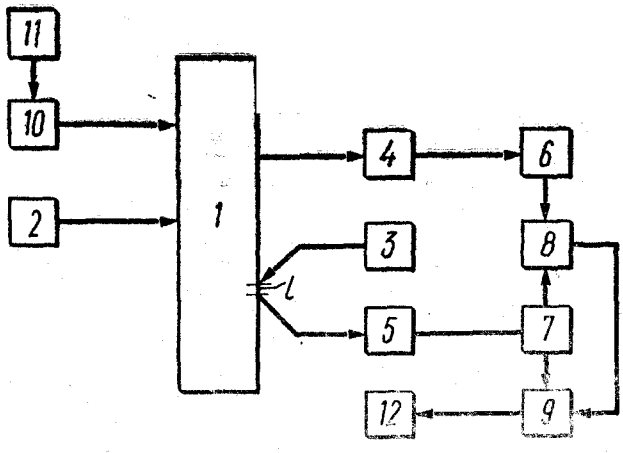
a receiving ultrasonic tranducer;

a received signal amplifier;

a logarithmic converter;

a subtraction unit and division unit, said emitting and receiving transducers of one measurement channel being secured directely to a wall of said vessel and said emitting and receiving ultrasonic transducer of the other measurement channel being mounted on forming prisms which are secured to a wall of said vessel;

an output of said logarithmic converter and outputs of said logarithmic converters of both channels being connected to the input of said division unit.



Compl. specn. 39 pages. Drgs. 5 sheets

CLASS : 136-A. 165285

Int. Cl. : B 29 c 33/02, 33/14, 33/18, 33/40, 33/76, 37/00, 39/24, 39/26, 39/38, 39/42.

A DEVICE FOR CASTING ELECTRICAL COMPONENTS.

Aplicant :SIEMENS AKTIENGESELLSCHAFT, WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventors : FRANZ KOLLER.

Application No. 452/Cal/86 filed June 18, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

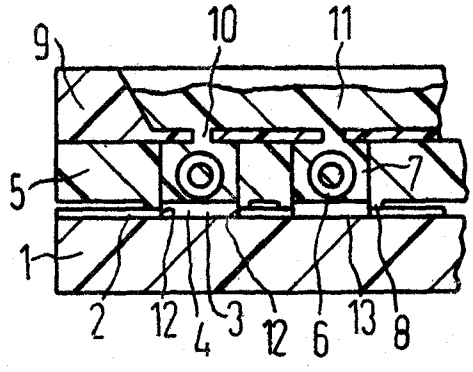
A device for casting a plurality of electrical components which are each permanently arranged on a terminal carrier plate and which consist of annular core coils or the like, in a casting mould using casting resin :

characterised in that a silicon rubber layer (2) which contains recesses (3) which correspond to the dimensions of the terminal carrier plates (4) and which serve to accommodate terminal carrier plates, is applied to the upper surface of a flat-like lower component (1);

that a likewise flat and plate-like central component (5) which is to be clamped down onto the lower component is penetrated by recesses 7 for the accommodation of the electrical components (6), which recesses (7) correspond to the size of the components which are to be cast, and around each of with a raised flange (8) is arranged on the undersurface of the central component;

that a box-like upper component (9) which is to be mounted on the central component (5) contains, in its likewise flat underside, openings (10) which, provide for a sprue common to all the components in a first assembly stage, by forming through openings for the liquid casting resin (11) to the recesses (7) in the central component;

that the upper component is adapted to be laterally displaceable in relation to the central component so that in a second assembly, to which the uppper component is moved whilst the casting resin is still in the liquid state, the recesses (10) in the upper component are sealed by the flat upper side of the central component and no longer communicate with the recesses (7) of the central component, and that on the completion of the casting process, when the upper component and central component have been separated from the lower component, it is possible to remove the electrical components surrounded by the then hardened cast body.



Compl. specn. 8 pages. Drg. 1 sheet

CLASS : 165286

Int. CLASS : C 07 c 87/00.

A PROCESS FOR THE PREPARATION OF AMMONIUM NITRATE PRILLS FROM AMMONIUM NITRATE LIQUOR BY PRODUCT OF CHEMICAL PROCESS INDUSTRIES PARTICULARLY OF INTRO-PHOSPHATE PLANT.

Applicant : M/S. PROJECTS & DEVELOPMENT INDIA LIMITED, P.O. SINDRI, PIN 828122, DHANBAD, BIHAR, INDIA.

Inventors : (1) RAMESH CHANDRA SAXENA, (2) GYANENDRA RAI BHATNAGAR, (3) GUPTESWAR SINGH.

Application No. 529/Cal/1986 filed July 14, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A process for preparing Ammonium Nitrate prills from by-product ammonium nitrate liquor obtained from chemical process industries, particularly from nitro-phosphate plants, which comprises adding to said liquor in crystal free condition inhibiting agents selects from ammonia and/or urea in the range of 0.5 to 2% by weight based on the by-product liquor, preparing a thorough blend thereof, subjecting said blend to concentration to obtain ammonium nitrate melt suitable for prilling and thereafter subjecting said melt to conventional prilling in a prilling tower.

Compl. specn. 14 pages Drg. 2 sheets

CLASS : 27-I 165287

Int. Cl. : F 16 f 15/00.

ANTI-VIBRATION MOUNTING FOR SHOCK OR VIBRATION-PRODUCING MACHINERY.

Applicant : GORKOVSKY POLITEKHNICHESKY INSTITUT IMENI A. A. ZHDANOVA, OF GORKY, ULITSA K. MININA, 24, USSR.

Inventor : VALERY PETROVICH KOSHELEV.

Application No. 594/Cal/1986 filed August 04, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

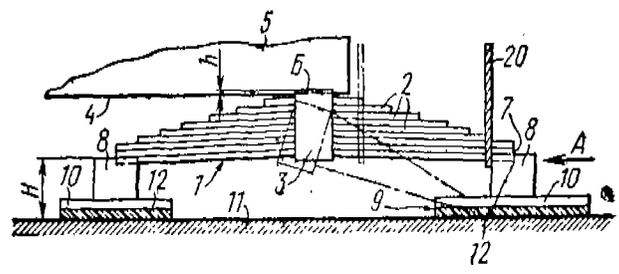
3 Claims

An anti-vibration mounting for shock-or vibration-producing machinery, incorporating leaf springs the strap whereof fits into recesses of the bed plate of the machine and the ends whereof rest on supports placed on the foundation; the ends of every leaf spring rest on separate supports at a height H above the foundation which is decided by the Formula

$$H > 2(h+\delta)$$

where h = depth whereto the strap of the leaf spring fits in the bed plate of the machine;

δ = static definition of the leaf spring.



Compl. specn. 14 pages Drg. 2 sheets

CLASS : 33 A & D 165288

Int. Cl. : B 22 d 11/08, 11/10, 11/12.

DEVICE TO HANDLE LADLES.

Applicant : DANIELI & C. OFFICINE MECCANICHE SPA, OF VIA NAZIONALE-33042 BUTTRIO (UD), ITALY.

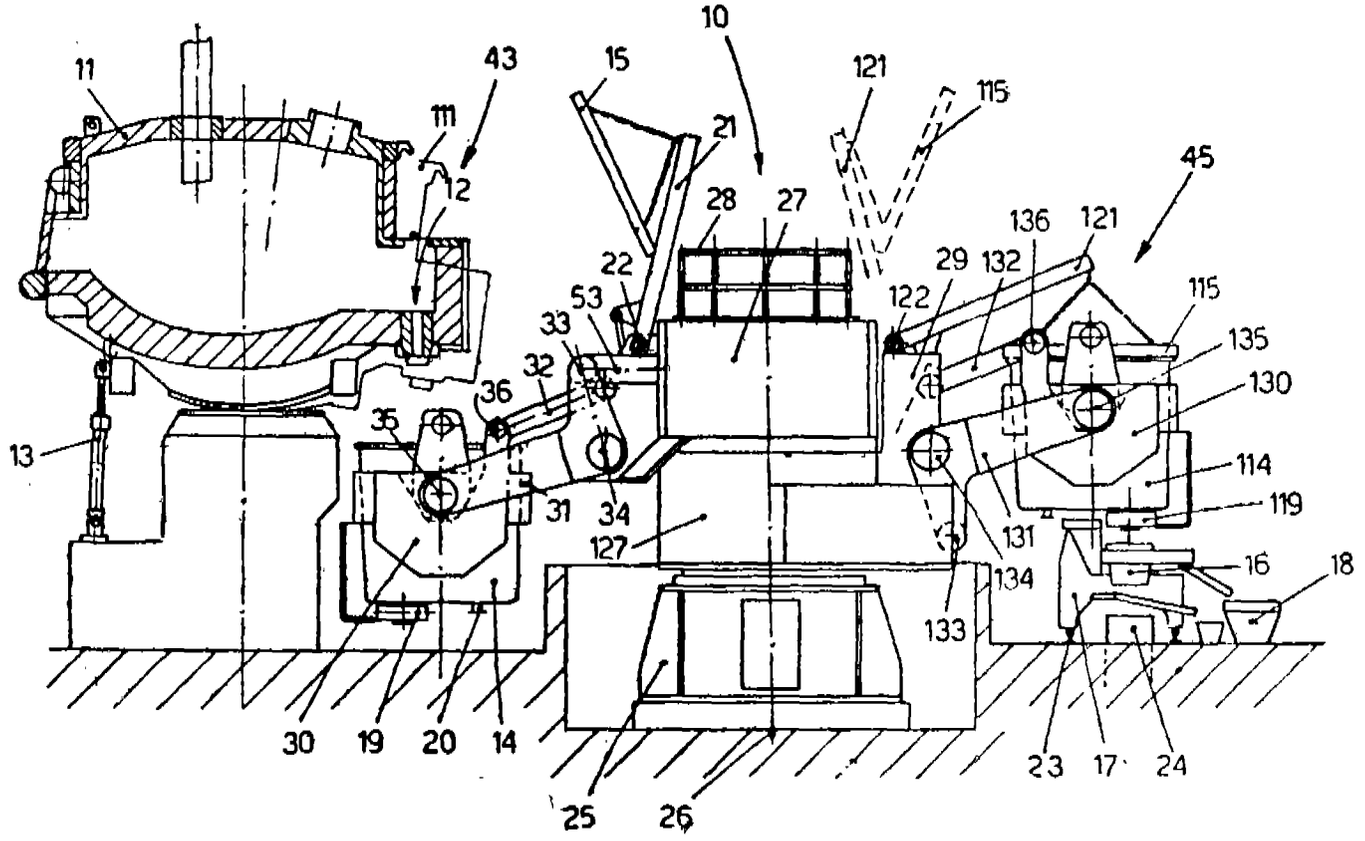
Inventors : GIAMPIETRO BENEDETTI.

Application No. 708/Cal/1986 filed September 24, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims

Device to handle ladles in cooperation with the casting zone (45) in continuous casting, casting into ingot moulds or forms or mixed casting, such device providing independent, coaxial arms able to rotate by a continuous 360° rotation and to support the ladle (14), the device being characterized in that such rotary arms (27) handle (14) also in a tapping station (43) in cooperation with a smelting furnace (11).



Compl. specn. 1 9pages Drg. 7 sheets

CLASS : 165289

Int. Cl. : B 65 d 81/00; 85/00.

IMPROVED FISH REPRODUCING CHAMBER.

Applicant & Inventor : CHANDRA NARAYAN BAIRAGYA. SONAPATTY- MEMARI, P.O. MEMARI, DIST-BURDWAN (W. BENGAL), INDIA.

Application No. 709/Cal/1986 filed September 29, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

The chamber for breeding and hatching of Fish and Fish eggs comprises :

(1) *a top circular glass hatchery net stand* with a *movable pressure fing* made of grill plate fixed at the top of the chamber and (2) *some Brass rings* are placed on the inner wall towards the base of the chamber of which (3) *inlet pores* are present in the inner wall at different levels, (4) *large* out let pore situated below the glass hatchery net stand and a (5) *Circular drain* made below the large out let pore on the outer wall of the chamber of which (6) some out let pores are fixed in different levels on the wall and a (7) *central hole* of the floor is fixed during breeding and hatching work in modified glass hatchery system and that (9) *water regular contains* a short pipe with semicircular valve and a (10) *Central* out let combined pipe which is to be fitted with the socket at the central hole of the chamber, another (11) *moveable modified chinese hatchery net stand* made of grill plate in which the vertical and horizontal nipples are welded at the base and the nipples are fitted with the perforated pipes and the whole setting is to be fitted with the (12) *circular dropping* or groove of the floor of the chamber and the net stand fitted with 40/60 mesh net, inner side of the nipples of the stand connected with the (13) surface central main inlet pipe through the (14) separate pipes or connected with (46) underground central main inlet U pipe through the separate pipes and (47) watter distributing box during hatching work in modified Chinese hatchery system.

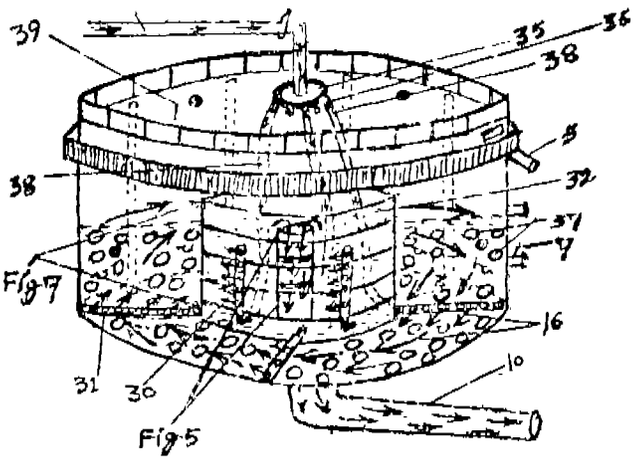


Fig-7

Fig-5

Compl. specn. 18 pages Drg. 3 sheets

CLASS : 128-F 165290

Int. Cl. : A 61 m 5/14.

FLUID FLOW REGULATOR FOR INTRAVENOUS FEEDING DEVICE

Applicant : FAN CHENG-KUO OF NO. 10, LANE 620, MIN CHU I LOAD, SAN MIN CHU, KACHSIUNG CITY TAIWAN, CHINA

AND

CHENG JYH-HOUR OF NO. 86-4, TON ERH LANE, HUANG PU TSUN, FONG-SAN CITY, KAOHSIUNG CITY, TAIWAN, REPUBLIC OF CHINA.

Inventor : FAN CHENG-KUO.

Application No. 741/Cal/1986 filed October 09, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A fluid flow regulator for intravenous feeding device comprising :

a cylindrical housing defining a liquid chamber having a top inlet end and a bottom tubular outlet end;

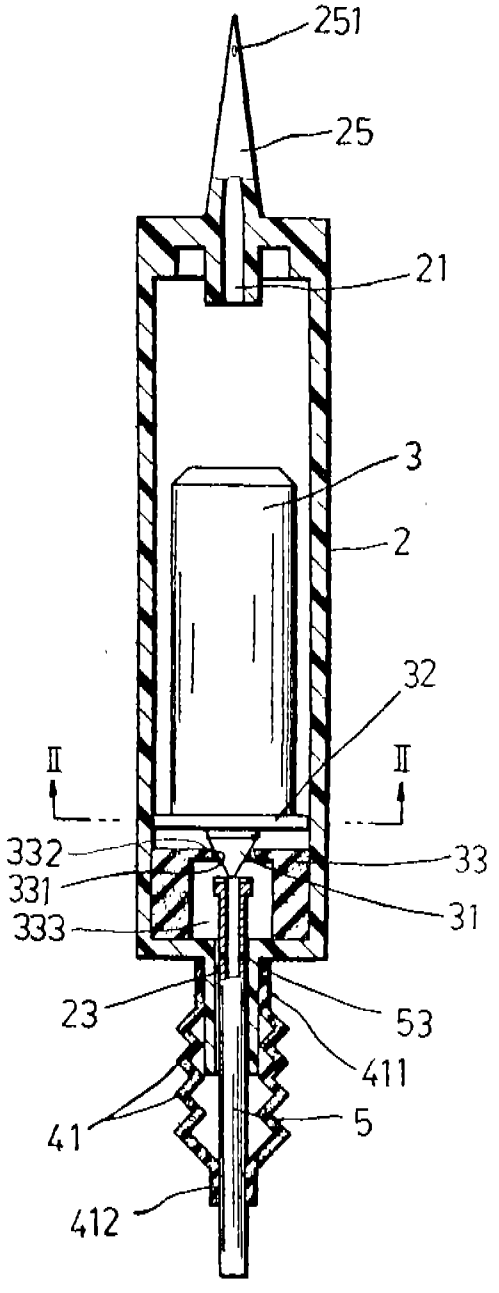
a float valve body provided in the chamber and having a bottom plug portion;

a tube inserted moveably in the tubular outlet end, the top of the tube extending to the bottom portion of the housing;

an elastic connecting sleeve having an upper end secured to the tubular outlet end and a lower end secured to the tube, the elastic sleeve being extensible and retractable in an axial direction relative to the tubular outlet end, characterised by

a resilient hollow sealing body as defined herein, fitted in the bottom portion of the housing adjacent to the tubular outlet end, the body having a central through-hole therein to permit a liquid flow from the liquid chamber to the tubular outlet end, and a top annular flange projecting toward the through-hole from the top side of the sealing body, the annular flange forming a valve seat, the top end

of the tube extending to the through-hole of the resilient body



Compl specn. 13 pages Drg. 3 sheets

Int. CLASS[1] : B 23 D 23/02 165291

APPARATUS FOR CONTINUOUS SLITTING OF COILS INTO STRIPS WITH SHAPED SIDE PROFILE, IN PARTUCULAR FOR METAL SHEET.

Applicant : F.I.C.I. FINANZIARIA INDUSTRIALE COMMERCIALE S.p.A., A COMPANY ORGANISED UNDER LAW OF THE ITALIAN REPUBLIC OF CORSO MATTEOTTI 8, MILAN, ITALY.

Inventor : GIOVANNI PIETRO CASTIGLIONI.

Application for Patent No. 33/Del/86 filed on 14th January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

Apparatus for the continuous slitting of coils of material (28), in particular coils of metal plate and the like, into longitudinal strips (27) with shaped side profile, essentially of sinusoidal and/or mixed outline, comprising :

a base (12) on which a stand (13) is positioned;

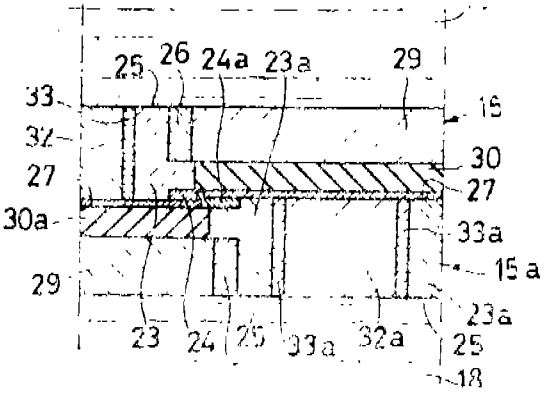
a couple of shoulders (14) of said stand (13) which support a pair of slitting cylinders (15, 15a) motor means provided for driving the rotation of shafts (18, 18a) or said pair of slitting cylinders:

said slitting cylinders bearing a set of blades (23, 23a) which have a shaped perimetral cutting profile;

said set of blades being positioned on said cylinders one above the other and in staggered fashion along the axes of the cylinders for cooperating with each other, so as to provide a conjugated coupling:

characterizes in that each of said slitting cylinders supports rigidly a set of blades positioned on its shafts (18, 18a) with cutting edges alternatively facing and not facing each other;

said blades being cup-shaped and provided with central and axial bores (25), so as to receive between an inner surface and the surface of the supporting shaft a spacer ring (26, 26a), between two blades facing each other at least a couple of radially elastic means (30, 30a) and between two blades not facing each other at least a spacer element (32, 32a) being provided.



Compl. specn. 10 pages Drg. 2 sheets

Int. CLASS[1] : B 29 H, 17/36, B 60 C 21/00, 25/00. 165292

A METHOD OF RETREADING A RADIAL TIRE CASING.

Applicant : BANDAG LICENSING CORPORATION, AN IOWA CORPORATION, OF BANDAG CENTER, MUSCATINE, IOWA 52761, UNITED STATES OF AMERICA.

Inventors : FLOYD ANDREWLACY, GARY WAYNE SCHNEDLER, THOMAS WAYNE GRAVES and BILLY LEE SORENSON.

Application for Patent No. 34/Del/86 filed on 14th January, 1986.

Appropriate office for opposition proceedings (Rule 1, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A method of retreading a radial tire casing by removing a protector belt and a working belt and replacing the removed belts and rebuilding the tire casing into a tire casing assembly for retreading the tire comprising :

(a) mounting a radial tire casing on a buffing machine;

(b) buffing the tire casing below the prior tread depth;

(c) locating in a manner as herein defined the width and depth of the belts to be removed;

(d) making a first cut under the first edge of the belt to be removed approximately halfway across the tire casing;

(e) making a second cut under the second edge of the belt to be removed across the tire casing to meet the first cut;

(f) removing the cut belt from the tire casing;

(g) replacing the working belt with a new working belt having angular metal cables;

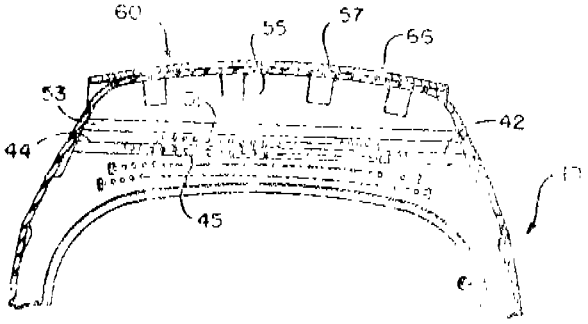
(h) replacing the protector belt with a new protector belt having angular metal cables;

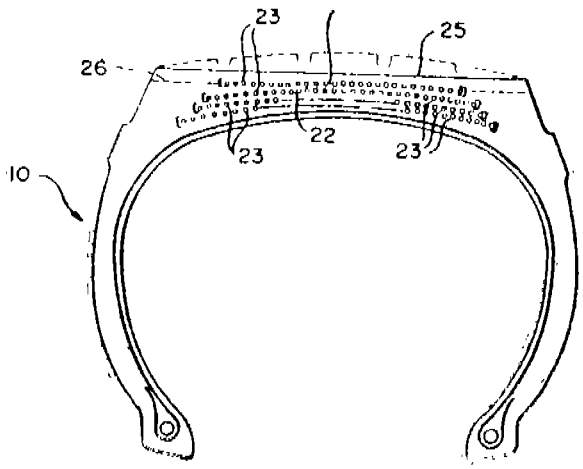
(i) placing a layer of cushion gum over the protector belt;

(j) placing a layer of precured tread rubber over the layer of cushion gum;

(k) placing a support means around the circumference of the tire casing to give support to the tire casing assembly during curing; and

(l) placing the tire casing assembly in a curing chamber and curing the uncured rubber elements





Compl. specn. 21 pages Drg. 6 sheets

Int. CLASS[4] : C10M 115/02, 121/02 165293

LUBRICANT COMPOSITION FOR APPLICATION TO A METAL WORKPIECE DURING A PROCESS OF FORMING SAID METAL.

Applicant : ALCAN INTERNATIONAL LIMITED, OF 1188 SHERBROOKE STREET WEST, MONTREAL, QUEBEC, CANADA H3A 3G2, A CANADIAN COMPANY.

Inventors : ALAN ROBERT DAGLISH, MARK HOWARD FOSTER, & WILLIAM FRANCIS MARWICK.

Application for Patent No. 62/Del/86 filed on 21st January, 1986.

Convention date 29th January, 1985/8502148/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A lubricant composition for application to a metal workpiece during a process of forming said metal which comprises :

(i) discrete particles of a waxy material of the kind described having a softening point above the metal forming temperature and diameters in the range of 1 to 100 dispersed in (ii) a monomeric organic carrier of the kind described herein which carrier is a solid or viscose liquid at ambient temperature;

said monomeric organic carrier being incorporated as a solution or dispersion in a volatile liquid medium of the kind described herein, the weight ratio of discrete particles to monomeric carrier being from 1 : 10 to 10 : 1

Compl. specn. 14 pages.

Int. CLASS[4] : B 60 B 9/04 165294

SPRING WHEEL FOR BICYCLE.

Applicant & Inventors : RAJINDER SINGH VIJAIN, 292, VILL. BAJITPUR, P.O. NANGAL THAKRAN, DELHI-110039, INDIA, INDIAN.

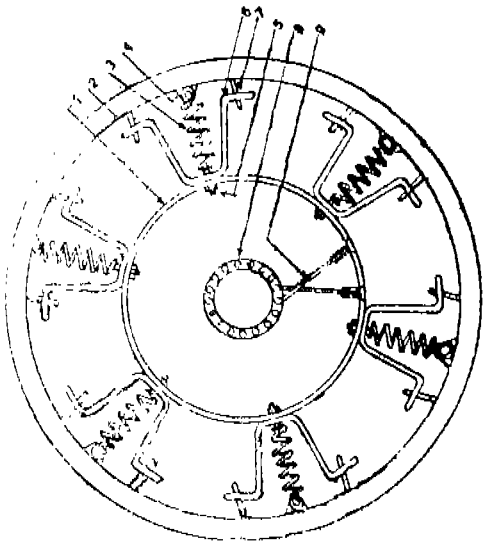
Application for Patent No. 308/Del/86 filed on 2nd April, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

The spring wheel for Bicycle comprising of outer ring/rim adopted to receive a tyre, an inner ring (1) connected to the said outer ring through a plurality of springs (3)

and spring clamps (6) a hub (8) connected to said inner ring (1) through plurality of spokes (9).



Compl. specn. 5 pages Drg. 4 sheets

Int. CLASS[1] : A61K 7/00 165295

DENTAL CREAM.

Applicant : COLGATE PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors : ANTHONY JOHN MORTON, KENNETH HARVEY, HARRY HAYES AND HERMANN GUTENBERG.

Application for Patent No. 378/Del/86 filed on 28th April, 1986.

Divisional to Application No. 590/Del/83 filed on 30th August, 1983.

Apprpriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A dental cream comprising 20–75% by weight of a polishing material of the kind such as herein described, at least about half of which is hydrated alumina and 20–80% by weight based on the weight of the dental cream of a liquid phase containing water, humectant of the kind such as herein described or mixture thereof and 0.5–5% by weight based on the weight of the dental cream of a gelling agent consisting essentially of hydroxethyl cellulose having a viscosity in a range the average of which is from 24000 cps. to 41000 cps determined on a Brookfield viscometer in 2% by weight water : glycerine (1 : 1.56) solution at 20°C, with a No. 6 spindle at 20 rpm.

Complete specification 27 pages.

Int. CLASS[1] : A61K 7/00 165296

DENTAL CREAM.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A. OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors : ANTHONY JOHN MORTON, KENNETH HARVEY, HARRY HAYES AND HERMANN GUTENBERG.

Application for Patent No. 379/Del/86 filed on 28th April, 1986.

Divisional to Application No. 590/Del/83 filed on 30th August, 1983.

Apprpriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A dental cream comprising :

a binary fluorine source of mixture of sodium monofluorophosphate and sodium fluoride in which 30–40% by weight of said fluorine is from said sodium fluoride, in amount to provide 750–2000 ppm total of ionic fluorine;

35–75% by weight of a polishing agent consisting essentially of calcium phosphate and a dental vehicle comprising 20–80% by weight based on the weight of the dental cream of a liquid phase containing water;

humectant of the kind such as herein described or mixture thereof and 0.5–5% by weight based on the weight of the dental cream of a gelling agent consisting essentially of hydroxyethyl cellulose having a viscosity in a range the average of which is at between 24000 to 41000 cps, determined on a brookfield viscometer in 2% water : glycerine (1 : 1 : 56) solution at 20°C with a No. 6 spindle at 20 opm.

Complete specification 27 pages.

Int. CLASS[1] : 42D 15/00 165297

AN IMPROVED INSTRUMENT OF EXCHANGE VIZ. NEGOTIABLE INSTRUMENT AND NON-NEGOTIABLE INSTRUMENT OF EXCHANGE.

Applicant & Inventor : MAN MOHAN LAL GUPTA.

Application for Patent No. 499/Del/86 filed on 5th June, 1986.

Apprpriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

1 Claim

An improved Instrument of Exchange viz. negotiable instrument and non-negotiable instrument containing tables having one to eleven or more columns or rows or both and each column/row containing digits '0' to '9' or part thereof for specifying the amount, the No. of the instrument, the Account No., the Account Code and the Branch Code No. (including the clearing House/Area/City and the Bank Code Nos.) and the like or any of them;

the aforesaid Code Nos. and the amount or any of them being specified by punching, perforating, making cuts, ticking etc. in the said tables against or on the digits or in the space provided therefor in the order of left column to right column and/or top row to bottom row or vice versa or in any other manner so as to make the require No./amount;

such punched instruments of Exchange being feedable to 'Readers, sorters, Compilers, Computers and the like with a view to sort them and/or to compile the amounts thereof and/or to make statements and the like therefrom and/or to post the Ledgers and the like therefrom.

Compl. specn. 13 pages Drg. 3 sheets

Int. CLASS[4] : C07D 501/14, 501/15 165298

PROCESS FOR PREPARING CEPHALOSPORANIC ACID DERIVATIVES.

Applicant : HAN-MI PHARMA IND. CO., LTD. OF SAN 89-6, HAJURI, PALTANMYUN, WASUNG-KUN, KYUNGKI-DO, KOREA, A SOUTH KOREAN COMPANY

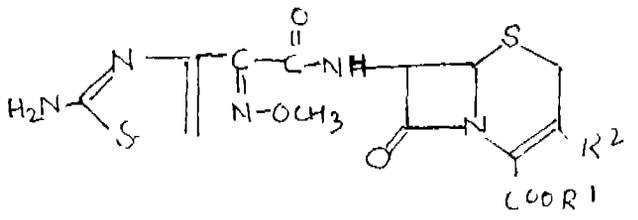
Inventors : SUNG KI LIM, SOON KU MOON & GWAN SUN LEE.

Application for Patent No. 508/Del/86 filed on 10th June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

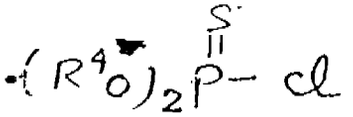
9 Claims

A process for preparing cephalosporanic acid derivatives of the formula (I) of the accompanying drawings



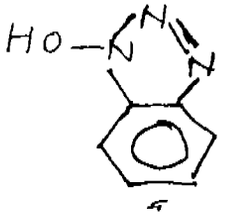
I

wherein R^1 is hydrogen or alkali metal, R^2 is hydrogen, methyl, halogen acetoxymethyl or $-CH_2-SR^3$ in which R^3 is 5- or 6-membered heterocyclic ring having 1-4 hetero-atom optionally substituted with C_{2-4} lower alkyl, which comprises reacting in a basic solution a compound of the formula (IV)



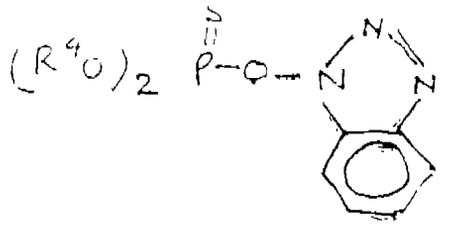
IV

wherein R^4 is C_{1-4} lower alkyl or aryl, with 1-hydroxy-benzotriazole of the formula (V),



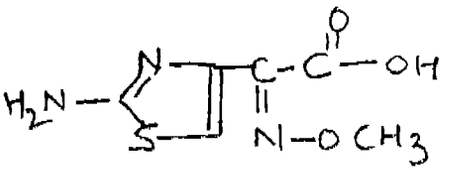
V

to give a compound of the formula (VI)



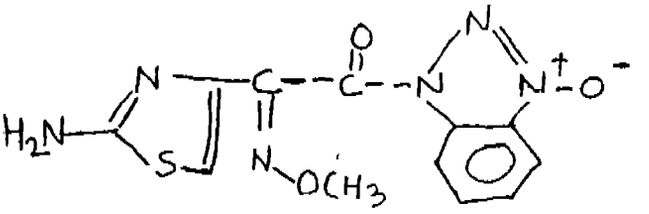
IV

wherein R^4 is as defined above reacting the obtained compound of the formula (VI) with a compound of the formula (II)



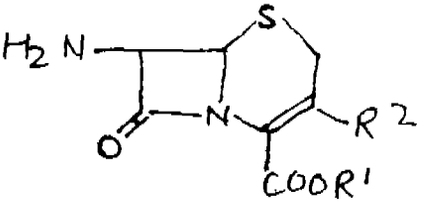
II

in a solvent selected from N, N-demethylformamide and N, N-dimethyl acetamide to give a reactive amide of the formula (VIII)



VIII

in the solvate form and then reacting the said solvate with a compound of the formula (III),



III

wherein R^1 and R^2 are as defined above.

Compl. specn. 18 pages Drg. 3 sheets

Int. CLASS[4] : C 07 D 277/00 165299

PROCESS FOR PREPARING AN ANTIFUNGAL AGENT.

Applicant : SS PHARMACEUTICA CO., LTD., A JAPANESE CORPORATION, OF 2-12-4, NIHONBASHI-NAMA-CHO, CHUO-KU, TOKYO, JAPAN.

Inventors : MASANORI OHKAWA & YOSHIHIRO NISHIKAWA.

Application for Patent No. 825/Del/85 filed on 8th September, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for preparing an antifungal agent which comprises mixing thiabendazole and one or more sucrose fatty acid esters in a proportion of 0.1 to 20 parts by weight of the said ester per part by weight of thiabendazole at a temperature of 0°C to 60°C until a homogeneous mix is obtained.

Compl. specn. 18 pages Drg. 1 sheet

Int. CLASS[4] : B 26 F 1/36. 165300

AN IMPROVED HAND PUNCHING/PERFORATING DEVICE.

Applicant & Inventor : MAN MOHAN LAL GUPTA, SON OF SHRI MANI RAM GUPTA, RESIDENT OF 'KARAN NAGAR, SRINAGAR-190010 (J&K) HAVING PERMANENT ADDRESS AS 'C/o M/s GUPTA CLOTH HOUSE, V.P.O. BARWALA, DIST. HISSAR (HARYANA).

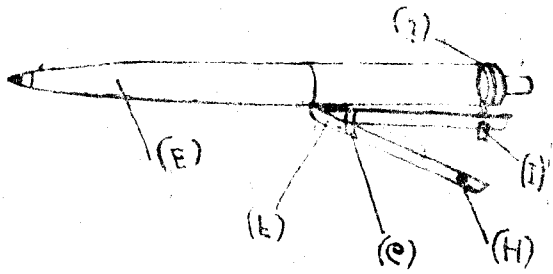
Application for Patent No. 905/Del/88 filed on 24th October, 1988.

Divisional to application No. 499/Del/86 filed on 5th June, 1986.

Apprpriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

An improved hand punching/perforating device for punching/perforating/making cuts on or against the digits or in the space provided therefor in the Instruments of Exchange or other Paper, having two hands like that of tongs, forceps, pincers and the like, containing a hole in one hand and a cutting rod in the other hand, the head of the cutting rod being exactly of the shape and size of the hole, the cutting rod fixed in the hand in a manner that it passes easily through the hole when the two hands of the device are pressed to close, both the hole and the cutting rod being of the type/shape of the hole/perforation/cuts which is intended to be made/punched in the Instrument; the said device also having a sliding ring or the like for closing the two hands and means for attaching the said device to a Pen, Ball-Pen or any other similar writing Instrument.



Compl. specn. 4 pages Drg. 1 sheet

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 160687. Uttam Shravan Jadhav Shrikrishna Kunj, Sasane Nagar, Hadapsar, Pune-411 028, Maharashtra State, India. A Subject of the Public of India. "Fluid Bar of Flow Sensor" 27th January, 1989.

Class 1. No. 160828. Safari Industries (India) Limited, 107/0, Khetani Textile Compound, Bazarward, Kurla, Bombay-400 010, Maharashtra, India, a Public limited company incorporated under the Indian Companies Act. "Channel with lock and handle for luggage". 17th March, 1989.

Class 1. No. 160838. P. S. Kalidas, Indian, trading as Kala Engineering Works, 12-10-590/36, Wasasiguda, Secunderabad-500 361, Andhra Pradesh State, India. "Button bit Grinder". 23rd March, 1989.

Class 1. No. 160860. Taruk Plastics Pvt. Ltd., an Indian Company of Shed No. Focal Point, Rajpura, Punjab, India. "Door Closer". 4th April, 1989.

Class 1. Nos. 160883 & 160889. New Friend & Company Private Limited, An Idian Company, 5-Bhamashah Marg, New Delhi-110009, India. "Time Piece". 19th April, 1989.

Class 3. No. 160731. Accurate Products, Unit No. 103, Block A-3, Bhanraj Industrial Estate, Sun Mill Road. Lower Parel (West), Bombay-400 013, Maharashtra, India, an Indian Proprietary concern. "Foot ruler cum Geometrical Instrument". 17th February, 1989.

Class 3. No. 160810. American Home Products Corporation a corporation organised and existing under the laws of the State of Delaware, U.S.A., of 685 Third Avenue, New York, New York-10017, United States of America. "Roll-on applicator". 13th March, 1989.

Class 3. No. 160829. Elcon Electric Industries, Shukla Industrial Estate, Opp. Ajit Glass Jogeshwari (West), Bombay-400102, Maharashtra, India, an Indian Sole Proprietary firm. "Double Knob Electric Switch". 17 March, 1989.

Class 3. No. 160830. Elcon Electric Industries, Shukla Industrial Estate, Opp. Ajit Glass Jogeshwari (West), Bombay-400102, Maharashtra, India, an Indian Sole Proprietary firm. "Double Knob Electric Switch-Socket Combined". 17th March, 1989.

Class 3. No. 160832. Snappi Holdings (Proprietary) Limited, a legal body organised and existing under the laws of South Africa of 410 Standard Plaza, 440 Hilda Street, Hatfield, Pretoria, Transvaal Province, Republic of South Africa. "a Diaper Fastener". 21st March, 1989.

Class 3. No. 160833. Raj Kumar Taela, M/s. Mickey Toys, 931, Kucha Pati Ram Bazar Sita Ram, Delhi-110 006 (India). Indian National. "BOX". 21st March, 1989.

Class 3. No. 160863. Motorola, INC., a corporation of the State of Delaware, United States of America of 1303 East Algonquin Road, Schaumburg, Illinois 60196. U.S.A. "Battery Charger". 4th April, 1989.

Class 10. Nos. 161145 & 161146. Hasmukh Mulchand Shah and Manilal Mulchand Shah trading as Industrial & Commercial Trades, a registered Partnership firm, having its registered office at Swastick Industries Chincholi Bunder Road, S.V. Road, Malad (West) Bombay-400 064, in the State of Maharashtra within the Union of India. "Footwear". 4th July, 1989.

Copyright Extended for the Second Period of five years

Nos. 154642, 160648, 154628, 154635, 152172, 152174, 152173. . . . . Class 1.

Nos. 154765, 154643, 152888, 148454, 154636 . . . . . Class 3

No. 160780. . . . . Class 4.

No. 158878. . . . . Class 5.

Copyright Extended for the Third Period of E *years*

No. 160648. . . . . Class 1.

Nos. 144720, 148454, 154765. . . . . Class 3.

Nos. 160780, 148836, 148957, 148955, 148833. . . Class 4.

No. 158878. . . . . Class 5.

R. A. ACHARYA
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